# PREPARED BY W.W. KELLY & L.D. HARRIS

(To be filled in by Division of Mines)		COMMONWEALTH		rampyr	(To be filled Division of M	
Russell		MENT OF LAI	Vell No. 1			
County		BIG STONE GA			ermit No. 256	
District		DEEPE			Office No.	
Hansonville	OIL AND		OMPLETION RI	EPORT		
RU - 7		HBHHDO	TIMESTI I	L	ocation Plat	
File	be submitte abandonme	ed to the Division o	electrical log, if mad f Mines within 30 da well, as required by ).)	ys after		
Company Gulf Oil Cor	poration		Address P.	O. Box 12	2116	2110
Farm W. Russell Price			Acres 88.	anoma City 1306	, Oklahoma 73	3112
County Russell			District Cast			
Well No. (Company)			Elevation (gro	ound surface)	2246.01	ft.
Location: (Give direction and nates shown on loc graphic map of area	ation plat or ma	p previously file		on of Mines		
8,525 feet	West	of				
****						
Surface of tract is owned in fee		Russell Price	Castlewood, Vi	rainia 243	224	
Address Mineral rights are owned by _	W.	Russell Price				
Address	Rt.	T, Box 249, 0	Castlewood, Vi	ginia, 242	24	
Location made by Frank A	. Carpenter, C		on, Virginia, 2	24266	\	
Drilling commenced 12-14 Drilling completed 5-23	4-76 -77		Drilling contracto	r Parker L	Orilling Compan & Main, Tulsa,	Okla 741
Well completed as gas well			Tiddress			
Well abandoned at 17,00 Well plugged on 7/2/				· Reason	Non-Commer	cial
Well plugged on7/2/		, 1977_	Affidavit filed		8-	·3-, 19.77
Total depth1/,003		feet.	Steel line measure	ement		feet.
Commenced producing on			, 19			
Oil Well						
Initial production, oil: 1st 24 l						bbls.
After shot on	from	feet to	feet with		lbs	
After shot on	from	feet to	feet with			
1st 24 hours	bbls.: 2n	d 24 hours				
Settled production						dave
Gravity and grade of oil						
Oil pays at (1)	feet to	feet.	Oil shows at	(1)	feet to	feet.
					feet to	
(3)					feet to	
(4) Main production at					feet to feet to	
	1000 00					
Gas Well Initial open flow, gas:			0		ns. Water in s. Mercury in	
Volume		cu. ft.		/ 1011	s. Microthy III	men.
After shot on				*	_ lbs	
After shot on	from	feet to	feet with		lbs.	
					qts.	
1st 24 hours		cu ft.,	2nd 24 hours			cu ft.

Cu. ft per day after producing   weeks									
Casing Cemented: 20   Geet to   Geet	Settled produ	uction	*	cu. ft [	per day after	produci	ing		weeks
Casing Cemented: 20   Geet to   Geet	Gas pays at	(1)	feet to	feet	Gae chowe a	+ (1)	7,062	feet to	feet
(4) feet to feet. (4) feet to feet. (4) fiet to feet. (4) fiet to feet to feet. (5) feet to feet to feet. (6) 10,707 feet to feet to feet. (7) feet to feet to feet. (8) 10,707 feet to feet to feet. (8) Fresh water at (1) feet, GPM; (2) feet; (3) feet; (4) feet. (9) feet, GPM; (3) feet, GPM; (4) feet, GPM;	Gas pays at	(2)	feet to	feet	Cas shows a	(2)	9,890		
Adam production   feet to   feet   (4)   10,707   feet to   feet   (5)   feet   (6)		` '				(2)	0 070		
Main production feet to feet. (5) feet to feet. GPM; (2) feet, GPM; (3) feet, GPM. Salt water at (1) feet; (2) feet; (3) feet; (4) feet, GPM; (3) feet, GPM. Salt water at (1) feet; (2) feet; (3) feet; (4) feet, GPM; (3) feet, GPM; (4) feet, GPM;						(4)	10,070		
Salt water at (1)	Main produc								
Salt water at (1)									
Coal from feet inches to feet inches, from feet inches to feet inches, from feet inches to feet inches, from feet inches, from feet to feet with (quantity) of acid. from feet to feet with	Fresh water	at (1)	feet,	GPM; (2)	feet,		GPM; (3).	feet, .	GPM.
retet inches, from feet with feet with (quantity) of acid.  from feet to feet with (quantity) of acid.  from feet to feet with (quantity) of acid.  from feet to feet with (quantity) of acid.  from See Treatment and DST Record Attached  CARD AND TURING  Remarks:  CARD AND TURING  PROPARED  SIEB USED IN JULIANO  WELL  (inch) (feet) (feet) (feet)  13 3/8 1,411 1,411  Y 5/8 8,493 8,493  LINERS  SIEB USED IN JULIANO  LINERS  LINERS  LINERS  LINERS  LINERS  LINERS  Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76  13 3/8 inch. from 1,411 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to Surface Date 12-18-76  (237 holes)  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-277  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-277  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-277  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-277  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-277  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-2-77  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-2-77  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-2-77  Casing Cemented: 20 inch. from 8,493 feet to 6,316 Date 2-2-2-77  Casing Cemented: 20 inch. from 8,493 feet to 6,316	Salt water at	t (1)	feet; (2)	teet;	(3)	te	et; (4)	teet	
Well acidized from feet to feet with (quantity) of acid. from feet to feet to feet with (quantity) of acid. from feet to feet with (quantity) of acid. from feet to feet with (quantity) of acid. Get with from feet to feet with (quantity) of acid.    Casing Comment and DST Record Affeched									ches to
from feet to feet with (quantity) of acid.  Remarks: feet to feet with (quantity) of acid.  See Trectment and DST Record Attached  CARING AND TURING PERFORATED KIND SIZE SET AT  CHIEGO FOR TOTAL WELL  (Ingil) (feet) (fe									
Cabing and Turing   Cabing and Turing   Cabing and Turing   Propagation   Cabing and Cabing	vven acidized	from	feet to	feet with		(quanti	ty) of	acid.	
Casing And Turing		from	feet to	feet with		(quanti	ty) of	acid.	
Size Used IN Dellaring (feet)	Remarks: _	See Treat	ment and DST Reco	ord Attached		quanti		acid.	
Size Used IN Dellaring (feet)									
Daillang   Well   (feet)   (			Casing and Tubing				PA	CKERS	
Casing Cemented:   20   inch. from   75   feet to   Surface   Date   12-17-76   (237 holes)	Size	USED IN	LEFT IN	PERFORA	TED	KIND	Size		SET AT
20 75 8,493 8,493 8,493 8,493		DRILLING	WELL						
The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after  LINNERS  WELL  (ft. to ft.)  (ft. to ft.)  (ft. to ft.)  (ft.)  (ft. to ft.)  (ft.)  (ft.)  (ft. to ft.)  7 5/8 5,627 5,627 11,407-10,4  (44 holes)  10,334-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,344-9,69  10,34					feet)				
LINERS    Size   Used in Delitating   Perforated	13 3/8	1.411							
Size   Used in Derlating   Derforated   Well   (inch)   (it.)   (it.									
Size   Used in Derlating   Derforated   Well   (inch)   (it.)   (it.									
Size   Used in Deritaing   Derivative   Perforated									
Size   Used in   Derivative   Derivative   Description   Depth   Derivative   Description   Depth   Description   Description   Depth   Description   Description   Depth   Description   Depth   Description   Depth   Description   Depth   Description   Depth   Description   Depth   Description									
Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76 (237 holes)  Casing Cemented: 13 3/8 inch. from 1/411 feet to Surface Date 12-18-76 Date 12-							I	INERS	
Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76 [237 holes]  Casing Cemented: 20 inch. from 1,411 feet to Surface Date 12-18-76 Date 2-22-77  Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)  Will be furnished the Virginia Geological Survey upon request Yes (Yes) (No)  Will be furnished the Virginia Geological Survey upon request (Yes) (No)  Electrical log made X or not made (check which)  Copy furnished herewith X or will be submitted on or by (Yes) (Tious Logs)  The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after						Size			PERFORATED
Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76  13 3/8 inch. from 8,493 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to October Date 12-18-76  6,316 Date 2-22-77  Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)  Will be furnished the Virginia Geological Survey upon request Yes (Yes)  Survey Gulf will furnish (Yes)  Electrical log made X or not made (check which.)  Copy furnished herewith X or, will be submitted on or by Depths (Yes) (The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after					(i	nch)	(ft.)	(ft.)	(ft. to ft.)
Casing Cemented: 20 inch. from 1,411 feet to Surface Date 12-17-76  13 3/8 inch. from 9 5/8 inch. from 1,411 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to 6,316 Date 2-22-77  Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)  Will be furnished the Virginia Geological Survey upon request Yes (Yes)  Survey Gulf will furnish (Yes)  Electrical log made X or not made (check which.)  Copy furnished herewith X or will be submitted on or by 19 member of the Virginia Geological Survey 19 member of the Virginia Geological					7	5/8	5,627	5,627	11,407-10,458
Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76  13 3/8 inch. from 8,493 feet to 5 Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to 6,316 Date 2-22-77  Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes)  Will be furnished the Virginia Geological Survey upon request Yes (Yes)  Survey Gulf will furnish (Yes)  Electrical log made X or not made (check which.)  Copy furnished herewith X or will be submitted on or by 19 pepths  The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after									
Casing Cemented: 20 inch. from 75 feet to Surface Date 12-17-76  13 3/8 inch. from 1,411 feet to Surface Date 12-18-76  9 5/8 inch. from 8,493 feet to 6,316 Date 2-22-77  Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes)  Will be furnished the Virginia Geological Survey upon request Yes Yes , if sacks for same are furnished by the Survey Gulf will furnish (Yes)  Electrical log made X or not made (check which.)  Copy furnished herewith 255 to 16,730 feet to Survey upon request Yes (Yes)  Depths Various Logs 255 to 16,730 feet to Survey Date 12-18-76  Depths 12-18-76  Date 12-18									10,354-9,696
Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey									(237 holes)
Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey			00	7.5			<u> </u>		
Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey	Casing C	Cemented:	inch trom						
Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)  Samples or cuttings will be available for examination by a member of the Virginia Geological Survey			95/8 inch. from -	1,411 feet					
Samples or cuttings will be available for examination by a member of the Virginia Geological Survey			7 5/6 inch. from	6,473 feet	t to _0,310	D	ate	//	
Samples or cuttings will be available for examination by a member of the Virginia Geological Survey	Remarks: (S	hut down, der	oths, dates: fishing io	bs. depths. dates	s: caving: othe	r notes	3)		
Will be furnished the Virginia Geological Survey upon request Yes (Yes)  Survey Gulf will furnish (Yes)  Electrical log made X or not made (check which.)  Copy furnished herewith X or will be submitted on or by 19  Depths Various Logs 255 to 16,930  The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after							<u></u>		
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Survey Gulf will furnish  Electrical log made x or not made (check which.)  Copy furnished herewith x or will be submitted on or by  Depths Various Logs 255' to 16,930  The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after									(NO)
Electrical log made or not made (check which.)  Copy furnished herewith x or will be submitted on or by, 19	Will be furnis	shed the Virgi	nia Geologicai Survey			XXXXX	, it sacks io	r same are iu	rnished by the
Electrical log made or not made (check which.)  Copy furnished herewith x or will be submitted on or by	Survey	Gulf wi	ll furnish		(Yes)				
Copy furnished herewith X 255' to 16,930 yarious Logs 255' to 16,930 The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after	D1 11	1 X			(440)				
The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after	Electrical log	made	or not made (	cneck which.)	or his				10
The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after	Depths Var	ious Logs	255° to 16,930° 11 b	e submitted on	or by				, 19
	Depuis					All calente			
		220 23			-				
completion of the well covered by this report					(Yes)	connde	ential for a p	eriod of nine	ety days after
	completion of	the well cover	red by this report	1 63	(****)				

PU-007

Operator: Gulf Oil Corporation

Farm: W. Russell Price

Well No.: 1

Location: Russell County

900' S. of 36°52'30" 8525' W. of 82°12'30"

Elevation: 2246.01' Gr. Total Depth: 17,003'

Drilling Commenced: December 14, 1976 Drilling Completed: May 23, 1977

Result: Not completed, considered dry hole.

Plugged on July 2, 1977

	Formation*	Top (feet)	Bottom (feet)
	Copper Ridge Dolo.	Spudded in	
	Several thrust blocks		
	with various		
	lithologies	0	7900
	Clinchport Fault	2100	
	Fault (?)	2450	
	Hunter Valley Fault	6835	
	Pine Mt. Thrust	7900	
	Chattanooga Sh.	7900	8010
	Onondaga Ls.	8010	8130
	Tonaloway Ls.	7900 8010 8130 8206	8206
420 _	Hancock Dolo.	8206	8390
	Clinton Sh.	8390	8730
1.51	Clinton Ss. Poor Valley		
	Ridge Mem.	8730	8840
425	Hagan Sh. Mem.	8840	8926
	Sequatchie Fm.	8926	9178
10+M0	Reedsville Sh.	9178	9700
	Trenton Ls.	9700	10,354
	Eggleston Ls.	10,354	10,530
	Hardy Ck Ls.	10,530	10,695
	Ben Hur Ls.	10,695	10,850
	Woodway Ls.	10,850	11,020
	Hurricane Bridge Ls.	11,020	11,350
	Martin Ck. Ls.	11,350	11,456
	Rob Camp Ls.	11,456	11,552
	Poteet Ls.	11,552	11,630
406	Dot Ls.	11,630	11,784
(0)	Mascot Dolo.	11,784	12,165

		Formation	Top (feet)	Bottom (feet)
		Kingsport Dolo.	12,165	12,334
	VO	Longview Dolo.	12,334	12,490
n n	~	Chepultepec Dolo.	12,490	12,998
500 —		Copper Ridge Dolo.	12,998	13,550
		Maynardville Ls. Chance		
	NE	Branch Dolo. Mem.	13,550	13,615
		Low Hollow Ls. Mem.	13,615	13,662
515		Nolichucky Sh.	13,662	14,112
212		Maryville, Ls.	14,112	14,653
		Rogersville Sh.	14,653	14,680
	N.E	Rutledge Ls.	14,680	14,940
PVSh	1	Rome Sh.	14,940	15,890
	Le	Shady Dolo.	15,890	16,500
		Erwin Qtzite	16,500	16,64614,400
570 —	RE	Granite Wash	16,646	17,003

#### TOTAL DEPTH

Remarks: A few gas shows were encountered in the Middle Ordovician, primarily the Trenton Limestone, between 9,900' and 11,400' and these zones were acid fractured. Final openflow after cleanup was less than 100 MCF and the well was determined to be non-commercial and was plugged as a dry hole.

<sup>\*</sup>From completion report supplied by operator.

### TREATMENT & DST RECORD

### GULF OIL - W.R.PRICE WELL NO. 1

6-14-77

Eggleston - Harly Creek-Ben Hur - Mid-Ord Ls

TREATMENT: 11,407' - 10,458' perforated 44 holes Set HOWCO RTTS Packer at 11,407', Spot 42 bbls 7% HCl acid across perfs. Reset Packer @ 10,410, Pump 12,000 gal.versa gel and 12,000 gal. 28% HCl acid in 3 equal stages. All fluid contained 100 SCF N2/bbl. Flush with 120 bbl water. Max.PSI-7600, Ave. PSI-6600, Ave. Rate 10 BPM, ISIP-5800 PSI, 10 min-4200 PSI. Flowed well & swabbed 6-15-77 to 6-20-77. Install orifice test 4" mercury - 1" plate-180 MCF. Shut in for buildup 6\frac{1}{4} hrs. - 220 PSI.

6-20-77

Tranton TREATMENT: 10,354' - 9,696' perforated 237 holes. Set Baker CIBP @ 10,440'. Set Baker Packer @ 9,650'. Broke formation at 5700 PSI. Pump down 3½" DP with 3 equal stages of 4,000 gal versa gel with 4,000 gal. 28% HCl acid, 1000 gal. F-water, 1000 SCF N2/bbl fluid. Used 200 sealer balls spaced between stages. Max. PSI - 6500, Ave. PSI - 6300, Ave. Rate - 8 BPM, ISIP - 4800 PSI, 10 min. -4500 PSI. Flowed well & swabbed 6-20-77 to 6-22-77. Gas volume less than 100 MCFD.

### 6-23-77

Drilled out cement and Bridge Plug at 10,440. Drill Stem Test on both zones together. 6-23-77 Ran HOWCO DST tools & set packer @ 9,666'. -5 min. IFP-1455#, 1 hr. ISIP - 2959#, 2 hr. FFP. -2906#, 2 hr. FSIP 3336#. Gas to surface when tool opened on final flow; after 1½ hrs. small stream water & steady gas volume of less than 100 MCFD.

DST - 6-24-77: Ran HOWCO DST tools & set packer @ 9658'. IHP - 4256#, IFP - 1520#, FFP - 2201#, FHP - 4197# In 24 hr. test - 35 BW, no water last 7½ hrs. of test, Gas volume less than 100 MCFD.

# LOG

Geologic Age	FORMATION	General Lithology	Hard or Soft	Top (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS, WATER DEPTHS SHUT DOWN FISHING, ETC.
Cambrian	Copper Ridge Maynardville Nolichucky Honaker Rome	Dolomite Dolomite Shale Dolomite Shale		0 160 390 527 2051	160 390 527 2051 2718	160 230 137 1524 667	FISHING, EIV.
	Clinchport Fau	lt					
Cambrian	Honaker Rome	Dolomite Shale		2718 3750	3750 6825	1032 3075	gypsum 6450'-70' 6700'
		Dolomite		6825	7898	1073	gypsum 6825'-7400
Devonian	Marcellus Onondaga- Huntersville	Shale Limestone Chert	1.2	7898 8008	8008 8125	110 117	
	Oriskany Helderberg	Sandstone Limestone		8125 8129	8129 8206	4 77	
Silurian	Hancock Clinton Clinch Hagan	Dolomite Shale Sandstone Shale		8206 8380 8634 8842	8380 8634 8842 8894	174 254 208 52	cored 8735'-42'
Ordovician		Shale Shale Limestone Limestone Limestone Limestone n Limestone Dolomite Dolomite		8894 9132 9698 10,361 10,535 10,694 10,840 11,716 11,990 12,226	9132 9698 10,361 10,535 10,694 10,840 11,716 11,990 12,226 12,795	238 566 663 174 159 146 876 274 236 569	cored 9712'-70'
Cambrian	Copper Ridge Maynardville Nolichucky Maryville Rogersville Rutledge Rome	Dolomite Dolomite Shale Limestone Shale Limestone Shale		14,112 14,657	13,390 13,652 14,112 14,657 14,720 14,938 16,245	595 222 460 545 63 218 1307	gypsum 15,590'-60 15,750'-80 16,100'-24
	Shady Basal Sand	Dolomite Quartzite		The state of the s	16,490 16,646	245 156	gypsum 16,245'-64
Precambrian	Basement Complex	Metmorphic	:s	16,646	17,003	357	

### TREATMENT & DST RECORD

# GULF OIL - W.R.PRICE WELL NO. 1

6-14-77

TREATMENT: 11,407' - 10,458' perforated 44 holes Set HOWCO RTTS Packer at 11,407', Spot 42 bbls 7% HCl acid across perfs. Reset Packer @ 10,410, Pump 12,000 gal.versa gel and 12,000 gal. 28% HCl acid in 3 equal stages. All fluid contained 100 SCF  $N_2$ /bbl. Flush with 120 bbl water. Max.PSI-7600, Ave. PSI-6600, Ave. Rate 10 BPM, ISIP-5800 PSI, 10 min- 4200 PSI. Flowed well & swabbed 6-15-77 to 6-20-77. Install orifice test 4" mercury - 1" plate-180 MCF. Shut in for buildup  $6\frac{1}{4}$  hrs. - 220 PSI.

# 6-20-77

TREATMENT: 10,354' - 9,696' perforated 237 holes. Set Baker CIBP @ 10,440'. Set Baker Packer @ 9,650'. Broke formation at 5700 PSI. Pump down 3½" DP with 3 equal stages of 4,000 gal versa gel with 4,000 gal. 28% HCl acid, 1000 gal. F-water, 1000 SCF N<sub>2</sub> /bbl fluid. Used 200 sealer balls spaced between stages. Max. PSI - 6500, Ave. PSI - 6300, Ave. Rate - 8 BPM, ISIP - 4800 PSI, 10 min. - 4500 PSI. Flowed well & swabbed 6-20-77 to 6-22-77. Gas volume less than 100 MCFD.

### 6-23-77

Drilled out cement and Bridge Plug at 10,440. Drill Stem Test on both zones together. 6-23-77 Ran HOWCO DST tools & set packer @ 9,666'. -5 min. IFP-1455#, 1 hr. ISIP - 2959#, 2 hr. FFP. -2906#, 2 hr. FSIP 3336#. Gas to surface when tool opened on final flow; after 1½ hrs. small stream water & steady gas volume of less than 100 MCFD.

DST - 6-24-77: Ran HOWCO DST tools & set packer @ 9658'. IHP -  $4256^{\#}$ , IFP -  $1520^{\#}$ , FFP -  $2201^{\#}$ , FHP -  $4197^{\#}$  In 24 hr. test - 35 BW, no water last  $7\frac{1}{2}$  hrs. of test, Gas volume less than 100 MCFD.