HUBBARD SPRINGS 6-1

	VDMR Well Rep. No.
2002	DMQ File No. LE-75
Operator APACO PETROLEUM INC.	DAVE TOWARD
Farm AUBRA P. DEAN	SECURITORIES - 1000
Co. Well No. #1	OOLI ZLIIVSOLIN
County LEE Qua	adrangle HUBBARD SPRINGS - 7½'
Location (UTM) N4,064,350; E308,1	
(Lat. and Long.)	
Field BEN HUR	Province VALLEY AND RIDGE
Elev. (specify) <u>1720' GR</u> TD <u>2664</u>	Form. at TD <u>EGGLESTON</u> Age <u>ORDOVICIAN</u>
Date compl. or abandoned MARCH 15, 1	982
Result OIL WELL	
Gas Shows	
Gas Pays	
Main Production 1950'-1955	
	Age
Treatment: 11 HOLES FROM 2265' TO 2	316'; 1000 GALLONS OF 28% HCL
1946' TO 2020-1000 GALLONS OF 2	8% HCL.
Initial Production 10 BARRELS PER DA	Y
0il shows 1625; 1950 OIL PAYS: 162	
Water FW YES at 215' at 3	
SW <u>YES</u> at <u>1625'</u> at <u>1</u>	650 at
Coal	
Plat X Plotted X Completi	on Report X
Drillers Log Geologic Log	to be un as not printed with termin
Samples Interval Sheet	
Sample Interval	
Remarks	
Geophysical Logs S.P. Res	
	Gamma Neutron

Released to Open File: Completion JUNE 13, 1982 Samples NO

OIL AND GAS WELL SUMMARY REPORT

API No.: 45-105-20463-00-03

VDMR Well Rep. No.

Div. Gas & Oil File No.: LE-75

Operator: APACO PETROLEUM INC.

Farm: AUBRA P. DEAN

County: LEE

Co. Well No.: #1

Quadrangle: HUBBARD SPRINGS - 7-1/2'

Location (UTM): N 4,064,350; E 308,160 UTM Zone: 17

Field: BEN HUR

Province: VALLEY AND RIDGE

Elev. (specify): 1720' GR TD: 2664 Formation at TD: EGGLESTON

Initial Gas Flow

Age: ORDOVICIAN

Date compl. or abandoned: MARCH 15, 1982

Result: OIL WELL

Gas Shows

Gas Pays

Main Production: 1950'-1955

Producing Formation

Final Gas Flow

Treatment: 11 HOLES FROM 2265' TO 2316': 1000 GALLONS OF 28% HCL: 1946' TO

2020-1000 GALLONS OF 28% HCL.

Initial Oil Production: 10 BARRELS PER DAY Settled Oil Production

Oil Shows: 1625; 1950 Oil Pays: 1625' TO 1630; 1950 TO 1955

Water

FW: YES at: 215' at: 315' SW: YES at: 1625' at: 1650

at at

Coal

Plat: X

Plotted: X Completion Report: X

Drillers Log Geologic Log

Samples

Interval Sheet

Sample Interval

Geophysical Logs S.P. Res

Gamma

Neutron

Density Sonic Other: DUAL INDUCTION, FRACTURE IDENTIFICATION

Stratigraphic Data Source: FRED YORKE

		Datum	
Formation	Top	(Subsea)	Thickness
OVERBURDEN	0	1720	65
HANCOCK	65	1655	495
CLINTON	560	1160	380
CLINCH	940	780	60
SEQUATCHIE	1000	720	360
REEDSVILLE	1360	360	395
TRENTON	1755	- 35	850
EGGLESTON	2605	- 885	59

Remarks:

References:

Released to Open File: Completion: JUNE 13, 1982

Samples: NO

API No.: 45-105-20463-00-03

VDMR Well Rep. No.:

Div. Gas & Oil File No.: LE-75

Operator: APACO PETROLEUM INC.

Farm: AUBRA P. DEAN

County: LEE

Co. Well No.: #1

Quadrangle: HUBBARD SPRINGS - 7-1/2'

Location (UTM): N 4,064,350; E 308,160

UTM Zone: 17

Field: BEN HUR Province: VALLEY AND RIDGE

Elev. (specify): 1720' GR TD: 2664

Formation at TD: EGGLESTON

Initial Gas Flow: Age: ORDOVICIAN

Date compl. or abandoned: MARCH 15. 1982

Result: OIL WE::

Gas Shows:

Gas Pays:

Main Production: 1950'-1955'

Christing Springs

Producing Formation:

Final Gas Flow

Age:

Treatment: 11 HOLES FROM 2265' TO 2316'; 1000 GALLONS OF 28% HCL; 1946' TO

2020-1000 GALLONS OF 28% HCL.

ed Oil Production

950 TO 1955

at

at

Report: X

API No.: 45-105-20463-00-03

VDMR Well Rep. No.:

Div. Gas & Oil File No.: LE-75

Operator: APACO PETROLEUM INC.

Farm: AUBRA P. DEAN

County: LEE

Co. Well No.: #1

Quadrangle: HUBBARD SPRINGS - 7-1/2'

Location (UTM): N 4,064,350; E 308,160

UTM Zone: 17

Field: BEN HUR

Province: VALLEY AND RIDGE

Elev. (specify): 1720' GR TD: 2664

Formation at TD: EGGLESTON

Initial Gas Flow:

Age: ORDOVICIAN

Date compl. or abandoned: MARCH 15. 1982

Result: OIL WE;;

Gas Shows:

Gas Pays:

Main Production: 1950'-1955'

Producing Formation:

Final Gas Flow

Age:

Treatment: 11 HOLES FROM 2265' TO 2316'; 1000 GALLONS OF 28% HCL; 1946' TO

2020-1000 GALLONS OF 28% HCL.

Initial Oil Production: 10 BARRELS PER DAY Settled Oil Production

Final Production:

0il Shows: 1625; 1950

Oil Pays 1625' TO 1630; 1950 TO 1955

Water:

FW: YES SW: YES at: 215' at: 1625' at: 315' at: 1650 at at

Coal:

Plat: X

Plotted: X

Completion Report: X

Drillers Log:

Geologic Log:

Samples:

Interval Sheet:

Sample Interval:

Geophysical Logs S.P.

Res

Gamma:

Neutron:

Density: Sonic Other: DUAL INDUCTION, FRACTURE IDENTIFICATION

Stratigraphic Data Source: FRED YORKE

Formation	Top	Datum (Subsea)	Thickness
OVERBURDEN	0	1720	65
HANCOCK	65	1655	495
CLINTON	560	1160	380
CLINCH	940	780	60
SEQUATCHIE	1000	720	360
REEDSVILLE	1360	360	395
TRENTON	1755	- 35	850
EGGLESTON	2605	- 885	59

Remarks:

References:

Release to Open File: Completion: JUNE 13, 1982

Samples: NO

OIL AND GAS WELL SUMMARY REPORT

API No45-105-20463-00-03	1.04	Rep. No.	101002001
Company of the Compan	DMC		LE-75
Operator APACO LTD.	ole		Teneral Control
Farm AUBRA P DEAN	i forgat	3.11	British is a
Co. Well No	1507		ranter
County TEE	Quadra	ngle HUBBA	RD SPRINGS - 7½"
County		UT	M Zone 17
(Lat. and Long.)		g in antique pa	College of the later
Field BEN HUR		Province	VALLEY AND RIDGE
Elev. (specify) 1720'GR TD 26	64 .	Form. at T	D EGGLESTON
	W.	٨٥	C ORDOVICIAN
Date compl. or abandoned MARCH 15,	1982		
Date compl. or abandoned MARCH 15, Result OIL WELL Gas Shows		the same	and the second
Gas Shows			The second
Gas Pays			- Agricultura
Main Production 1950' - 1955	Prod.	Form.	The Tolkholmer 1
		Age	t set a great and the
1000 GALLONS OF 28% HCL			
Initial Production 10 BARRELS PER	DAY		
Oil shows 1625; 1950 OIL PAYS:	1625' TO	1630; 1950	TO 1955
Water FW YES at 215'			
SW YES at 1625' Coal	at 1650		
Plat Plotted Comp	oletion R		
SamplesInterval Sheet			The same of the sa
Sample Interval			
Remarks Res Res	Gam	ıma	Neutron
Density Sonic Other	=		
			

SCIACI	lgraphic Data Sou	ERED VO	ORKE	
		. — —	Datum	
	Formation.	Тор	(Subsea)	Thickness
719	OVERBURDEN		-1720	65
100	HANCOCK	6.5.	1655	495
	CLINTON	560	1160	380
	CLINCH	940	780	60
manage to the same	SEQUATCHIE	1000	720	360
	REEDSVILLE	1360	360	395
17 2	TRENTON	1755	35	850
C. F.	EGGLESTON	2605	885	59
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Remark	TOTAL LIE	ASSET ASSET		Area Introductional
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Releas	sed to Open File:	Completion _	JUNE 13, 1	982
	Age of the second	Samples	NO	702

OIL AND GAS WELL SUMMARY REPORT

API No. 45-105-20463-00-03	Rep. No.
17.60 EST	DMQ File No. LE-75
Operator APACO, LTD.	
Farm AUBRA P. DEAN	and the state of t
Co. Well No. 1	713-
County LEE Q	uadrangle HUBBARD SPRINGS-7½'
Location (UTM) N4,064,340; E308,160	
(Lat. and Long.)	
•	Province _VALLEY AND RIDGE
Elev. (specify) 1720' GR. TD 2664	
Date compl. or abandoned MARCH 15, 198	Age <u>ORDOVICIAN</u>
014 077 1777	
Gas Shows	
Main Production 1950' TO 1955'	Prod. Form. TRENTON
	Age ORDOVICIAN
Treatment: 11 HOLES FROM 2265' TO 2316'	
	OF 28% HCL
State of the State	A Superior and the second and
Initial Production 10 BARRELS PER DAY	
FINAL FLOW -	
Oil shows 1625'; 1950'; OIL PAYS - 1625	' TO 1630'; 1950' TO 1955'
Water FW X at 215' 5GPM at	
SW X at 1625' at	1650' at
Coal dear a serie	
Plat x Plotted x Comple	tion Reportx
Drillers Log <u>x</u> Geologic Log	
Samples Interval Sheet	
Sample Interval	
Geophysical Logs S.P Res	
Density Sonic Other	
	The state of the s

	FRED G.	10144	
	APACO, I		
Formation	Тор	Datum (Subsea)	Thickness
OVERBURDEN		+1.720GR	65
HANCOCK DOLOMITE	65	_1655	495
CLINTON	560	_1160	380
CLINCH	940	780	60
SEQUATCHIE REEDSVILLE	1360	720 360	360
TRENTON	1755	-35	850 .471
EGGLESTON	2605	-885	0803,£300,4059 010 - 11
VAYE V AND LINGE	181,		TOW ISIE
HOLES LALE.	1.79	22	an taut - a fi
Remarks TOTAL TOTAL			FM 44 44 44
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Well completed as gas well on 3-15-82 N/A Well abandoned at _ ____ feet on _ : Reason Well plugged on _ N/A , 19___ Affidavit filed . 19 Total depth _ _ feet. Steel line measurement _feet. Commenced producing on __ .19 82

Coeburn, Va. 24230

Oil Well 10 _Barrels per day. Initial production, __ Stimulation Record 11-Holes From 2265 to 2316' 1000 gal 28% HCL @ 7 BPM - 1700 Psig

1518 1550 5min SIP 12008519- 1946 to 2020 1000 996 28% Hel @ 488.m - 2000 PSIG WELL ON VACUM

25.00 Breakdown Pressure _ _psi; Average Injection Pressure_

psi; 3-BBL MIN Average Injection Rate _ BPM; Instant Shut-in Pressure ____/550 psi;

5 Min. Shut-in Pressure 1200 Final Production

2-18-82

Drilling completed _

Barrels per day. Gravity and grade of oil 625 feet to 1625 Oil pays at (1) _ feet. Oil shows at (1)feet. feet to feet. (2)feet to (2)

(3)feet to feet. (3)feet to feet. (4)feet to feet. (4)feet to feet. feet. feet to

1950 feet to 1955 Main production at (5)Gas Well Gaged_ _/10ths. Water in_

Initial open flow, gas: /10ths. Mercury in _ inch. N/AVolume Mcf.; Rock Pressure

		,					
Breakdown	Pressure		psi; Average I	njection Pre	essure		psi
			BPM				
Min. Sh	ut-in Pressure			psi.			-
Final Open	flow		Mcf.; Rock Pressure			lhs	hrs
			feet. Gas sh				
		feet to		(2)		feet to	feet
		feet to					feet
Main produ		feet to feet to		(4) . (5) .	·	feet to	feet
Salt water a Coal: from	nt (1) 1625 N/A feet _	feet; (2) <u>feet</u> inches to	GPM; (2) _315 50	fe	eet; (4) fee	fee	t.
		ASING AND TUBING	,		PACKERS OR		GS
SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED	KIND	Size		SET AT
(inch)	(feet)	(feet)	(feet) to (feet)	B.P.	41/2"	2	085
7"	70 ' 845 '	845'					
41/2"	043	2587	2265-2316				
		•	1946-2020				
					Li	NERS	
				Size	USED IN DRILLING	LEFT IN WELL	PERFORATE
				(inch)	(ft.)	(ft.)	(ft. to ft.)
							ļ
Casing	Cemented:	9 inch. from	feet to	70 D	ate 2-3	-82	
		inch. from	0 feet to 8 12/682 feet to 2:	587 D	ate3/	9-81	
Remarks: (8	Shut down, dept	hs, dates; fishing j	obs, depths, dates; cavi	ng; other no	otes)		
	7211281						
	*						
Samples or	cuttings will be	available for evam	ination by a member of	f the Virgini	ia Geological	Survey	(Yes)
			ey upon request		_		nished by the
Survey		8		(P(55-)			,
Copy furnis	hed herewith _		be submitted on or by				, 19
Depths							

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Well No.

LOG

Furnished by APACO 170 Date 6-4-81 Compiled by FREO G. YORKE Date 6-4-82

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	Color	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS WATER DEPTHS SHUT DOWN FISHING, ETC.
	Overburden		Brown	0	65	65	
Silurian	Hancock Dolomite		White	65	560	495	Water at 215 and 315'
Silurian	Clinton Shale		Green & Red	560	940	380 '	Water at 565
on her species					* *		
Silurian	Clinch Sandstone		Buff	940'	1000'	60'	×
			1		- 2		*
Ordovician (Upper)	Sequatchie		Green & Red	1000 '	1360'	360'	
Ordovician (Upper)	Shale Reedsville		Green, Gray	1360'	1755'	9 3\\$5'	1625' oil & salt water
Ordovician (Middle)	Trenton Limestone		Gray	1755 '	2605'	850 '	1950' oil
Ordovician (Middle)	Eggleston Limestone & Bentonite		Buff	2605 '	2664 '	59'	

