UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: Geological Formations: Surface - Burro Canyon Bottom - Basement complex
In the Pardox formations from 6045-6057', on swabbing test through perforations well made 12 bbls., 40° API, 28% cut, and 16 MCF/D combustible gas. In the Ouray, well made 49 bbls., 53.8° API, 3.6% cut, and 6830 MCF/D non-combustible gas.
Detailed core samples on file at U of U sample library.

(No file) Bul. 50

DATE FILED Prior OGCC

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. X INDIAN

DRILLING APPROVED: Prior OGCC

SPUDDED IN: 5-10-51

COMPLETED: 1-15-52

INITIAL PRODUCTION:

GRAVITY A. P. I.

GOR:

PRODUCING ZONES: 7520-36', 6045-57'

TOTAL DEPTH: 8,762

WELL ELEVATION: 5385' GR

DATE ABANDONED: ~~11-7-51~~ 1-15-52 PA'd

FIELD OR DISTRICT: 3/86 Bluff

COUNTY: San Juan

WELL NO. Shell Oil Co. #1 (Bluff Unit #1) API # 43-037-20377

LOCATION: 500 FT. FROM (N) (S) LINE, 2490 FT. FROM (E) (W) LINE. W NW NE QUARTER - QUARTER SEC. 32

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				39S	23E	32	Shell Oil Co.

GEOLOGIC TOPS:

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville 7337
Pleistocene	Mancos	Cutler 3125'	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray 5960
Miocene	Ferron	Halgaite tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette 7715'
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge) 4445'	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison 130'	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafeal Gr.	Weber	Pogonip limestone
Middle	Summerville 1065'	Morgan	CAMBRIAN 8045
Lower	Bluff sandstone 865'	Hermosa 5118	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade 1240'	Lower	Tapeats
Flagstaff	Moab tongue	Molas 7087'	Ophir
Almy	Carmel 14 25'	Paradox 5960'	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo 1575'	B	Basement Complex 8664'
North Horn	Kayento 1835'	C	
CRETACEOUS	Wingate 1880'	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle 2918	Chainman shale	
Price River	Shinarump	Humbug	
Blackhawk	Moenkapi 3025	Joana limestone	

ACME VISIBLE CROXET VIRGINIA #78846-8

43-037-20377
Shell Oil Co. #1

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SHELL OIL COMPANY, BLUFF UNIT NO. 1, San juan county, Utah

Location: 500 feet south and 150 feet east of north 1/4 corner, Section 32, T. 39 S., R. 23 E.
Elevation: 5388' K.B. 500 FNL - 500 FEL
Total Depth: 8762 Feet.
Spudded: May 10, 1951
Abandoned: January 15, 1952

Formation Tops:

Burro Canyon	(Cretaceous)	Surface
Morrison	(Jurassic)	170'
Bluff	(Jurassic)	855
Summerville	(Jurassic)	1065
Entrada	(Jurassic)	1240
Carmel	(Jurassic)	1425
Navajo	(Jurassic)	1575
Keyenta	(Jurassic)	1835
Wingate	(Jurassic)	1[illegible]0
Chinle	(Triassic)	2220
Shinarump	(Triassic)	2918
Moenkopi	(Triassic)	3025
Cutler	(Permian)	3125
Rico	(Permian)	4445 (?)
Hermosa	(Pennsylvanian)	5118
Paradox	(Pennsylvanian)	5940
Molas	(Pennsylvanian)	7087 (?)
Leadville	(Mississippian)	7337
Ouray	(Devonian)	7592
Elbert	(Devonian	7715
Cambrian		8045
Basement Complex		8664

DST Formation Tests:

1 5780-5907' Open 1-1/2 hours, rec. 120 feet slightly gas-cut mud, trace oil.

2 5905-6061' Open 1-1/2 hours, gas to surface in 30 minutes, flowed gas at daily rate of 20 MCF. Rec. 330 feet gas and oil-cut mud.

3 6245-6350' Open 8 minutes, rec. 215 feet gas-cut mud and trace oil, packers failed.

4 6119-6355' Open 45 minutes, rec. 750 feet slightly gas-cut mud.

5 7145-7282' Open 45 minutes, rec. 200 feet slightly gas-cut mud.

6 7420-7538' Open 70 minutes, gas (CO_2) to surface in 5 minutes. Flowed at daily rate 8700 MCF, rec. 25 feet high gravity oil, 25 feet gas and oil-cut mud. 92.5% CO_2 Spl # 5077 Index # 8459 USBM (7527 ft.)

7 7546-7573' Open 95 minutes, gas (CO_2) to surface in 5 minutes, flowed at daily rate 6800 MCF with oil and mud-cut salt water. Rec. 50 feet high gravity oil plus 280 feet slightly muddy salt water.

8 7597-7681' Open 75 minutes, gas (CO2) to surface in 10 minutes, flowed at initial daily rate 555MCF, final rate 115 MCF, rec. 250 feet gas-cut mud, and 2760 feet muddy, gassy water. Ouray LS

9 7998-8114' Open 75 minutes, rec. 300 feet slightly gas-cut mud with few specks of oil in top 90 feet.

10 8107-8224' Open 75 minutes, recovered 60 feet gas-cut mud with spotty oil film.

11 8413-8450' Open 95 minutes, recovered 1615 feet mud to muddy water. No shows oil or gas.

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Swabbing Tests:

Jet perforated 4 holes per foot 7520-7536'

a. Well flowed 3500 MCF per day non-combustible gas (mostly CO_2) 24 B/d oil, 50 gravity.
b. Acidized with 500 gallons.
c. Well flowed 6830 MCF/D non-combustible gas, 49 B/D oil, 53.8° gravity, 3.6% cut.

Jet perforated four holes per foot 6045-6057'

a. Swabbed well dry.
b. Acidized with 500 gallons.
c. Swabbed well dry.
d. Reacidized with 1900 gallons.
e. Swabbed at rate of 20 B/D oil, 40° gravity, 10% cut and 20 MCF/D of combustible gas.
f. Reacidized with 5000 gallons.
g. Swabbed 7 days, final rate 12 B/D oil, 40° gravity, 28% cut, 16 MCF/D.