

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: Geologic Formations: Surface - Navajo, Bottom - Navajo

(No file) ^Dul. 50

DATE FILED Prior OGCC

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: Prior OGCC

SPUDED IN:

COMPLETED:

INITIAL PRODUCTION:

GRAVITY A. P. I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH: 1565

WELL ELEVATION:

DATE ABANDONED: 10-?-23

FIELD OR DISTRICT: ^{3/86} Boundary Butte

COUNTY: San Juan

API No. 43-037-20703

WELL NO. Southwest Oil Co. #1

LOCATION: FT. FROM (N) (S) LINE,

FT. FROM (E) (W) LINE. SW NW QUARTER - QUARTER SEC. 22

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
43S	22E	22	Southwest Oil Co.				

UTAH GEOLOGICAL AND MINERALOGICAL SURVEY

AFFILIATED WITH

THE COLLEGE OF MINES AND MINERAL INDUSTRIES

UNIVERSITY OF UTAH

SALT LAKE CITY, UTAH

DRILLING RECORDS

FOR OIL AND GAS IN UTAH

COMPILED UNDER THE DIRECTION OF

GEORGE H. HANSEN, H. C. SCOVILLE

AND THE

UTAH GEOLOGICAL AND MINERALOGICAL SURVEY



*From the Records of the Oil and Gas Leasing Branch of the
Conservation Division of the U.S. Geological Survey*

Bulletin 50

February 1955

Price \$5.00

NUMBER	LOCATION	LAND STATUS	OPERATOR AND WELL NUMBER	FIELD OR AREA	COMPLETED	ELEVATION	GEOLOGIC FORMATIONS SURFACE	BOTTOM	TOPS: DEPTH IN FEET FROM SURFACE	REMARKS CONCERNING PRODUCING HORIZONS OR SHOWS	TOTAL DEPTH	WELL STATUS
19-141	NESENW	6-42S19E P	F. S. Munson #1	San Juan	3-14-48	?	Hermosa	Hermosa		IP pump 10 bbls. Little Loop 355-60'.	360	OSD
19-142	N SENW	6-42S19E P	Allen & Woolley #3	San Juan	5-10-48	?	Hermosa	Hermosa		IP P/10 bbls. oil and 25 bbls. water PD.	440	OSD
19-143	NENWSW	6-42S19E Pu	Bluff Oil Co. #1	San Juan	1922	4165	Hermosa	Rico		Oil estimated 200 bbls. 47° gravity.	360	Abd
19-144	SENWSW	6-42S19E Pu	Bluff Oil Co. #2	San Juan	1925	4175	Hermosa	Hermosa			630	Abd
19-145	S SWSE	6-42S19E P	Urado Development Co. #4	San Juan	6-11-45	?	Supai	Rico?			269	Abd
19-146	SESWSE	6-42S19E P	Urado Development Co. #3	San Juan	5-29-45	?	Supai	Pennsylvanian			645	Abd
19-147	SWSESE	6-42S19E P	Urado Development Co. #2	San Juan	4-30-45	?	Supai	Rico?			257	Abd
19-148	S SESE	6-42S19E P	Urado Development Co. #1	San Juan	4-17-45	?	Supai	Rico			271	Abd
19-149	SESESE	6-42S19E P	Oil Co. of San Juan #1	San Juan	11-7-09	4185	Supai	Rico			284	Abd
19-150	NENENE	7-42S19E P	Urado Development Co. #1	San Juan	5-20-45	?	Supai	Rico		Show of oil 233-253'.	273	Abd
19-151	NESENE	7-42S19E P	Barney Cockburn #2	San Juan	5-3-46	?	Supai	Rico		Show of oil 210-241'.	241	Abd
19-152	SENE	7-42S19E P	Unknown #1	San Juan	Before 1920	4160	Supai	Rico			100	Abd
19-153	C NESE	7-42S19E P	Mexican Hat Oil Co. #1	San Juan	3-1-44	4155±	Supai	Goodridge		5" casing set 170', IP pumped 48 bbls. first 24 hrs. 40 API, Goodridge 203-05'.	205	OSD
19-154	E NESE	7-42S19E P	W. E. Nevills #7	San Juan	3-7-34	4125?	Supai	Rico		Show of oil 215-225'.	225	Abd
19-155	NENESE	7-42S19E P	San Juan Oil & Refining Co. #1	San Juan	3-5-44	4155?	Supai	Rico		Show of oil 202-215'.	215	OSI
19-156	NENESE	7-42S19E P	W. E. Nevills #6	San Juan	2-17-33	4150?	Supai	Rico		Oil at 189-194', gravity 40°. IP 4 bbls. oil PD.	194	OSD
19-157	W NESE	7-42S19E P	Oil Co. of San Juan #1	San Juan	3-4-08	4145	Supai	Rico		Show of oil at bottom.	226	Abd
19-158	NWNWNW	8-42S19E P	Barney Cockburn #1	San Juan	12-30-45	?	Supai	Goodridge		IP pump 35 bbls. after shot, Goodridge 270-96'.	296	OSD
19-159	N SWNW	8-42S19E P	Barney Cockburn #4	San Juan	5-16-46	?	Supai	Rico		Oil at 66-96', 40° gravity, estimated 5 bbls. per day.	306	Abd
19-160	NWSWNW	8-42S19E P	Barney Cockburn #3	San Juan	5-13-46	?	Supai	Rico		Show of oil 256-280'. 40° API 2 bbls. per day.	296	Abd
19-161	W SWNW	8-42S19E P	Barney Cockburn #5	San Juan	5-28-46	?	Supai	Rico			21	Abd
19-162	W SWNW	8-42S19E P	Barney Cockburn #6	San Juan	11-27-46	?	Supai	Pennsylvanian		Show of oil 270-276'.	633	Abd
19-163	SWSWNW	8-42S19E Pu	Monticello Oil Co. #4	San Juan	1909?	4120	Supai	Rico		Show of oil at 210-263' 38° API.	263	Abd
19-164	SENW	16-43S22E In	Wyoming Assoc. Oil Corp. #1	Boundary Butte	7-16-24	?	Navajo	Navajo			505	Abd
19-165	SWNENW	22-43S22E In	Western Natural Gas Co. #1	Boundary Butte	6-20-48	5526	Navajo	Ignacio Quartzite (Cambrian)	Jw 185', Rc 750', Rsh 1335', Rm 1440', Pco 1652', Pr 3625', Cph 3890', Cpmo 5370', Cml 5490', Do 5695', De 5875', Ignacio 6980'.	IP F/25,000 MCFG PD after acid. Initial RP 1124 Psi. Cp 4620-70'.	6,090	GSI
19-166	E SWNW	22-43S22E In	P. B. English #4	Boundary Butte Pool	6-12-49	5515	Navajo	Permian	Pco 1597'.	IP P/88 bbls., 42 API Pco 1608-15'. 1,615	1,565	POW
19-167	SWNW	22-43S22E In	Southwest Oil Co. #1	Boundary Butte	10-7-23	?	Navajo	Navajo			5,612	Abd
19-168	SWNW	22-43S22E In	Continental Oil Co. #1	Boundary Butte	2-4-30?	?	Navajo	Mississippian	Rsh 1560'.	Show oil Rsh 1560-9'. About 30 bbls. per day. Gas 4890-5256', gas volume estimated 15,000 M cu. ft.	1,510	OSI
19-169	SENW	22-43S22E ?	Western Natural Gas et al, English	Boundary Butte	11-30-48	?	Navajo	?		Completed 52-1/2 bbls. in 13-1/4 hr.	1,577	POW
19-170	C SENW	22-43S22E In	Western Natural Gas Co. #5	Boundary Butte Pool	8-29-49	5470	Navajo	Permian		IP P/11 bbls. oil and 46 bbls. water PD 42 API, Pco 1575-77'.		

Note: Wells for each county are "spotted" on the accompanying map.

Note: For abbreviated legend data see explanation before tables.

UTAH

43S-22E

THE SOUTHWEST OIL COMPANY
 628 First National Bank Bldg.,
 Denver, Colorado
 Well No. 1 Sec. 22-43S-22E
 Salt Lake Serial No. 034647
 San Juan County, Utah
 Boundary Butte Structure

(Log obtained from Department of Interior)

From	To	Formation, Color, etc.
0	134	No log kept on account of formation in sight. White soft formation with hard lime nodules in it; some very red, brown and white
	156	Gray silt
	180	Red rock with lime streaks in it
	205	Red without the lime streaks
	260	Red rock with hard streaks in it
	262	Sand, apparently red, washed out gray
	270	Soft red sand with a little bit of water in it, estimated about 1/2 barrel per hour
	295	Red rock with sandy streaks in it; probably carries small amount of moisture.
	380	Red rock with continuous streaks of very hard red shells in it
	415	Red sandy shale. At 415 water in hole increased to approximately one barrel per hour
	438	Becomes more shaley. Top chindle ?
	440	Lime shell. Note: At this point we ran the 15 $\frac{1}{2}$ " casing set in 438'6". Stood for water test four days and the hole made 50 bbls of water during this time
	490	Red
	515	Red but very limey and hard
	555	Red but softer
	559	Very hard lime shell
	595	Red rock with very hard lime shells; from 1' to 3' in thickness between these shells, the red formation was very soft.
	605	A hard lime washed out to a pinkish white
	640	Pink lime with soft sand streaks in it. All shows very red
	665	Lime very hard
	706	A lighter red shale with lime shells
	725	Soft red shale
	745	Lime with soft streaks in it
	787	Red rock with lime shells in it
	800	Very hard red lime

THE SOUTHWEST OIL COMPANY

(Continued)

<u>From</u>	<u>To</u>	<u>Formation, Color, etc.</u>
800	827	Encountered a cave that gave us considerable delay with a 15" bit in the hole and got no good samples
	840	Red shale with very hard lime streaks in it
	864	Red rock
	878	Very hard lime
	885	Red rock
	915	This rock red turned into shale
	967	Shale gradually disappears to a red rock
	1240	Red rock with soft streaks in it Top Shin.
	1330	Gray muddy sand, very soft and cavey
	1430	Gray slaty shale with lime streaks in it
	1500	Gray slate
	1535	Red rock
	1560	Gray slate
	1568	Gray sand

CASING RECORD

20 "	90#	T11½	18'	None	No	Dry Pipe
15 1/2"	70	T10	436'.6	Plain	No	Shut off seepage
12 1/2"	52	T10	990'	Baker	No	Shut off cave
10 "	45	T10	1403'	Baker	No	Shut off cave
8 1/4"	32	T10	1548'	Calif	No	Caving ground

MUDDING AND CEMENTING RECORD

20 "	10	Sacks		
15 1/2"				Frozen casing
12 1/2"				Frozen Casing
10 "				Frozen casing
8 1/4"				

The production for the first 24 hours was 131 barrels of fluid of which 23.5% was oil; emulsion; 76.5%; gravity 42° Be . Put to producing June 15, 1924. Oil Horizon 1560-1569.

EMPLOYEES

Joe Holmes
W. Parshall
H. Davidson

Cable tools were used from 0 feet to 1569 feet.
Shooting record; None
Plugs and adapters: None

THE SOUTHWEST OIL COMPANY
628 First National Bank Bldg.
DENVER, COLO.

PERMIT #034647 BOUNDARY BUTTE, UTAH.
WELL #1 SEC. 22, T. 43S. R. 22E. N.M.P.
SAN JUAN COUNTY UTAH.

CASING

20"-18' Dry pipe
15½"-436½' Shut off water
12½"-990' Shut off cave.
10"-1403' Shut off cave
8¼"-1548' Caving ground.

INITIAL PRODUCTION
30 Bbls. Oil { 24 Hrs.
100 Bbls. Water {
42° Be.

FORMATION	FROM	TO	TOTAL.
White soft formation			
with lime nodules	0	134	134
Gray silk	134	156	23
Red rock lime streaks	156	180	24
Red rock no lime	180	205	25
Red rock no streaks	205	260	55
Red sand washes gray	260	262	2
Soft red sand ½ bbl.			
water per hour	262	270	8
Red rock	270	295	25
Red rock hard red shell	295	380	85
Red sandy shale ½ bbl.			
water per hour	380	415	35
Red shale Top Chinnee?	415	438	23
Lime shell	438	440	2
Red	440	490	50
Red, but limy & hard	490	515	25
Red, soft	515	555	40
Hard lime shell	555	559	4
Red rock, hard lime			
shells	559	595	36
Hard lime pinkish tint	595	605	10
Pink lime soft sand			
streaks	605	640	35
Lime very hard	640	665	25
Light red shale, with			
lime shells	665	706	41
Soft red shale	706	725	19
Lime	725	745	20
Red rock lime shells	745	787	42
Very hard red lime	787	800	13
Cave	800	827	27
Red shale, hard lime			
streaks	827	840	13
Red rock	840	864	24
Very hard lime	864	878	14
Red rock	878	885	7
Red shale	885	915	30
Red rock	915	967	52
Red rock with soft			
streaks	967	1240	273
Gray muddy sand soft	1240	1330	90
and cavey, (Top Shrinarump?)			
Gray slaty shale with			
lime streaks	1330	1430	100
Gray slate	1430	1500	70
Red rock	1500	1535	35
Gray slate	1535	1560	25
Gray sand Show OIL	1560	1568	8

state
BY *KSM* DATE APR 23 1928

Log of the Southwest Oil Company, Boundary Butte Well,
(Permit 034647) located 22 - 43S.-N. M. P., San Juan, County,
New Mexico, Utah. Completed June 15, 1924.

White soft Sands, Red and brown	0	134
Gray silt		156
Red Ss. lime streaks		180
Red Ss. No streaks		205
Red Ss. Hard streaks		260
Red S., washed out gray		252
Red Ss., soft, water		270
Red Ss.		295
Red Ss., Hard red shells		380
Red sandy shale. 1 Bbl. water per hr.		415
Red sandy shale, more shaley		438
lime shell. water		440
Red Ss.		490
Red lime Ss.		515
Red Ss. softer		555
Hard Ls. shell		559
Red-soft. 1'-3' hard shells		595
Hard Ls., pinkish white		605
Pink Ls., soft streaks		640
Very hard, Ls.,		665
Light red shale		706
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lime - soft streaks		745
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Hard red Ls.,		800
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Red Rock		885
Red shale		915
Shale		967
Red rock		1240
Gray muddy sand, covey		1330
Gray slaty shale		1430
Gray slate		1500
Red rock		1535
Gray slate		1560
Gray oil sand		1568
Gray Oil sand, T. D.		1569

Casing record.

20" 90#	18'
15-1/2" 70#	436'6"
12-1/2" 52#	990'
10" 45#	1403
8-1/4" 32#	1548

10" 45# 1403

Log Plotted
W.S.N.

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