

SKELLY OIL COMPANY

WEN LEISMAN WELL No. 2 - LOG & REMARKS.

No. Feet Strata	Formation	Depth of Hole	
65'	Surface Sand	65'	
95'	Hard Sand w/mod Bed Breaks	160'	
62'	Red Beds	222'	
25'	Red Rock	247'	Set & Cemented 12 1/2" casing at 247' with 170 max cement.
373'	Red Rock & Shale with Lime Shells	620'	
394'	Shale & Lime Shells	1014'	
60'	Shale	1074'	
77'	Shale & Shells	1151'	
175'	Salt	1324'	
101'	Salt & Shells	1425'	
88'	Shale	1513'	
70'	Shale & Shells	1583'	
138'	Lime	1721'	
44'	Sandy Lime	1765'	
71'	Lime	1836'	
19'	Gray Shale	1855'	
25'	Broken Lime	1880'	
12'	Red Bed	1892'	
58'	Lime & Shale	1950'	
25'	Red Rock	1975'	
30'	Sandy Lime	2005'	
50'	Shale	2055'	
82'	Lime & Shale	2137'	
18'	Sand	2155'	
30'	Shale	2185'	
41'	Sandy Lime	2226'	
14'	Shale	2240'	
40'	Lime	2280'	
52'	Lime & Shale	2332'	
43'	Shale	2375'	
71'	Lime	2446'	
52'	Shale & Lime	2498'	
156'	Lime	2654'	
81'	Lime & Shale	2735'	
145'	Lime	2880'	
25'	Shale	2905'	
64'	Lime	2969'	
70'	Lime & Shale	3039'	
36'	Shale	3075'	
25'	Sand	3100'	
44'	Lime	3144'	
26'	Shale	3170'	
15'	Lime	3185'	
15'	Shale	3200'	
47'	Lime	3247'	
71'	Broken Lime	3318'	
32'	Shale	3350'	
27 1/2'	Lime	3377 1/2'	Top of Lansing 3367' - Set & Cemented 5-3/16" casing at 3376' w/425 max.
3'	SIM CONNECTION	3378'	
4'	Gray Lime, Little Chert, 40% Shale	3382'	
8'	Brown & Gray Soft Porous Lime	3387'	Gas gauged 1,940,000 cu.ft. 3386' -87'
6'	Brown & Gray Soft Porous Lime	3393'	" " 4,290,000 cu.ft. 3387' -93'
2'	Brown & Gray Soft Lime	3395'	" " 4,520,000 cu.ft. 3393' -95'
			First oil at 3395'
6'	Brown & Gray Soft Porous Lime w/ Trace of Sand	3400'	Gas gauged 4,910,000 cu.ft. 3395-3400' Oil flowed 6-1/4 bbls. first hour.
5'	Brown & Gray Soft Porous Lime w/ little Chert	3405'	No increase of gas. or oil
3'	Lime (No sample)	3408'	No increase of oil or gas.
4'	Lime (No sample)	3412'	Gas gauged 7,300,000 cu.ft. 3408' -12'
8'	Lime (No sample)	3420'	No increase of oil or gas.
3'	Soft, Light Brown, Porous Lime	3423'	Gas gauged 8,790,000 cu.ft. 3420' -23'
24'	Lime (No sample)	3447'	No increase of oil or gas.
3'	Lime (No sample)	3450'	Gas gauged 8,264,000 cu.ft. 3447' -50' increased from 7,762,000 cu.ft.
19'	Lime (No sample)	3469'	No increase of oil or gas.
3'	Medium soft Porous Brown Lime	3472'	Slight increase of gas 3469' - 71'
20'	Lime (No sample)	3492'	No increase of oil or gas.
	TOTAL DEPTH	3492'	SILL

Location for this well was made September 9, 1932 by H. E. Wamsley, 330' from the South Line and 330' from the West Line in the Southwest Corner of the South Half of the southwest quarter of section 20-27s-10w, Kingman County, Kansas.

Work on the rig was commenced on September 10, 1932, and this rig was skidded from our North Miles well No. 1, the rig was completed on September 13th and the well was spudded September 17, 1932 by the Olson Drilling Company.

The well was drilled to 247' and 12 1/2" Surface Casing set at this point with 170 sack of cement on September 18, 1932, and then shut down waiting for the cement to set. During this shut down period the drilling contractor finished rigging up rotary tools.

After allowing the cement to set for three days and nine hours drilling was resumed at midnight September 21st, 1932. Drilling progressed without interruption until September 27th when 2 1/2 hours were lost due to losing circulation and being out of water.

At 2000' mud weighing 11 1/2 was being carried in order to maintain circulation, and on October 4th at a depth of 2500' they were shut down for 6 hours due to losing circulation, and again on October 8th at a depth of 3000' they lost 6 hours for the same cause. While on October 10th and 11th they lost 6 hours and 4 hours respectively due to lost circulation.

On October 11th the top of the Lansing Line was picked up at 3367' and the following day, October 12th, 5-3/16" casing was run and cemented with 425 sack at 3376' S.M.

Drilling was shut down then for six days while waiting for the cement to set, during which time the rotary tools were moved out, the rig standardized and cable tools were moved in, and on October 19th they commenced bailing water and drilling out the cement plug in the 5-3/16" casing.

Actual drilling of the formation was resumed on October 20th as follows:

3377 1/2'	- 3378'	S.M. Correction.	
3378'	- 3382'	No shows.	
3382'	- 3387'	First gas at 3386' to 3387' gauged 1,940,000 cu. ft.	
3387'	- 3393'	Gas gauged - 4,290,000 cu. ft.	
3393'	- 3395'	Gas gauged - 4,620,000 cu. ft.	- First show of oil at 3395' (spray)
3395'	- 3400'	Gas gauged - 4,910,000 cu. ft.	- Oil flowed 6.25 bbls. the first hour.
3400'	- 3405'	Gas gauged - 4,910,000 cu. ft.	- Oil flowed 7.50 bbls. the 2nd hour.
3405'	- 3408'	Gas gauged - 4,910,000 cu. ft.	- Oil flowed 6.25 bbls. the 3rd hour.
			- Oil flowed 6.25 bbls. the 4th hour.
3408'	- 3412'	Gas gauged - 7,300,000 cu. ft.	
3420'	- 3423'	Gas gauged - 8,790,000 cu. ft.	- No further increases of oil
		B.P. 43 1/2 before shut down	Shut down 12 hours waiting for drill stem xx as the gas below the oil
		B.P. 37 1/2 after shut down	would not allow use of any mixing
		(4" Vent Line)	fluid, and the extra drill stem was
			used for additional weight.
3447'	- 3450'	Gas gauged - 8,264,000 cu. ft.	
		NB: The gas had decreased to 7,762,000 cu. ft. prior to this time.	
3469'	- 3472'	Gas gauged - 8,330,000 cu. ft.	

No further increases of ~~mixing~~ gas below this depth of 3471'
 No further increases of oil below 3405'

<u>SLOPE TEST DATA:</u>	<u>ANGLE OF DECLINATION (in degrees)</u>	<u>DEPTH</u>
	0	250'
	0	500'
	0	750'
	0	1000'
	1	1250'
	2	1500'
	1	1750'
	1	2000'
	2	2250'
	0	2300'
	0 1 1/2	2500'
	0 2	2750'
	0	3000'
	1 1/2	3250'

HOURLY GAUGE:

<u>Date</u>	<u>Hour Ending</u>	<u>Bbls.</u>
Oct. 21st	4:00 A.M.	6.25
	5:00 A.M.	7.50
	6:00	6.25
	7:00	6.25
	8:00	6.25
	9:00	6.25
	10:00	2.50
	11:00	1.25
	Noon	5.00
	1:00 P.M.	5.00
	2:00	5.00
	3:00	5.00
	4:00	5.00
	5:00	3.75
	6:00	5.00
	7:00	3.75
	8:00	3.75
	9:00	2.50
	10:00	5.00
	11:00	6.25
	Oct. 22nd	Midnight
1:00 A.M.		no gauge
2:00 A.M.		no gauge
3:00		12.50
4:00		5.00
5:00		3.75
6:00		5.00
7:00		2.50
8:00		2.50
9:00		2.50
10:00		5.00
11:00		2.00
Noon		3.75
1:00 P.M.		5.00
2:00		3.75
3:00		10.00
4:00		none
5:00		1.25
6:00		1.25
7:00		6.25
8:00		6.25
9:00	1.25	
10:00	none	
11:00	2.50	
Midnight	3.75	
Oct. 23rd	1:00 A.M.	3.75
	2:00	2.50
	3:00	5.00
	4:00	5.00
	5:00	none
	6:00	2.50
	7:00	2.50
Oct. 24th	- 24 hours ending 7:00 A.M.	- 72.50
Oct. 25th	- 24 hours ending 7:00 A.M.	- 62.50
Oct. 26th	- 24 hours ending 7:00 A.M.	- 62.50
Oct. 27th	- 24 hours ending 7:00 A.M.	- 65.00
Oct. 28th	- 24 hours ending 7:00 A.M.	- 62.50
Oct. 29th	- 24 hours ending 7:00 A.M.	- 65.00

Well shut in at 7:00 A.M. Oct. 29, 1934.

TOTAL PRODUCTION - 596.25 bbls.
 Production for 1st 24 hours. - 113.75 bbls.
 Production for 2nd 24 hours. - 64.50 bbls.