

SKELLY OIL COMPANY

REPORT OF CHANGE IN WELL RECORD

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc., not recorded in original well record.

LEASE NAME Wendel Leisman WELL NO. 6

CLEANING OUT RECORD				PLUGGING BACK DEEPENING RECORD			
Date commenced.....193.....				Date commenced..... October 28193..... ⁴³			
Date completed.....193.....				Date completed..... November 30193..... ⁴³			
Cleaned out from..... to..... T. D.....				2150' deepened from..... 2150' to..... 3433' T.D. 3433'			
Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas.....				Prod. before..... bbls. oil..... bbls. water..... 100 M cu. ft. gas.....	Est.		
Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas.....				Prod. after 60 bbls. oil..... 40 bbls. water..... (12 hr. test) cu. ft. gas.....			
Kind of tools used:.....				Kind of tools used: Rotary & Cable tools			
Tools owned by:.....				Tools owned by: Ruso Drilling Company Tulsa, Oklahoma			

ACID ~~SHOT~~ RECORD

Date	November 29, 1943					
Size shot	2000	Gal.		Qts.	Qts.	Qts.
Shot between	3350	Ft. and	3433	Ft.	Ft.	Ft.
Size of shell						
Put in by (Co.)	Morgan Acid					
Length anchor						
Distance below casing						
Damage to casing or casing shoulder	None					

9-26-1961

CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
4 1/2" OD	9.5	10V	3350'	42	1373'	6"	63	1990'	0"	Seamless	A	195	Halliburton

Liner set at..... Length..... Perforated at.....

Packer set at..... Size and kind.....

REMARKS (Give review of work accomplished and any other comment of interest).....

After plugging Well No. 3 on the Leisman lease and deepening Well No. 4 from the Lansing Lime for salt water disposal well, it was decided and regular authority granted to deepen Well No. 6 from the Admire Shale, from which zone the well had been producing since its completion, to the Lansing Lime and if found productive in commercial quantities of oil or gas, be completed (Use reverse side for continuation of remarks and for formation record).

Superintendent

REMARKS (Continued) in that zone. Moved in and built derrick and on October 28th finished rigging up rotary tools and drilled deeper as follows:

Lime	2150	2190
Lime	2190	2240
Lime and shale	2240	2325
Shale	2325	2510
Lime	2510	2590
Lime and shale	2590	2655
Shale	2655	2770
Lime	2770	2800
Shale	2800	2865

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Lime	2865	3290	
Shale	3290	3346	
Grey crystalline lime	3346	3350	No saturation <u>TOP LANSING LIME 3346'</u>
Medium soft grey crystalline lime	3350	3360	No saturation

Set and cemented 4 1/2" OD, 9.54, 10V thread, Range 2, Grade H-40, Seamless steel casing at 3350' with 15 sacks of cement - Back off nipple set at 1360' from top of hole. Finished cementing at 2:00 on November 6, 1943 and while waiting for cement to set moved in and rigged up cable tools. Finished rigging up cable tools and bailed the hole down on November 15th and 4 1/2" casing tested OK. Backed off and pulled 4 1/2" casing above back-off nipple at 1360' leaving 1990' overall of 4 1/2" liner in hole. After pulling upper part of 4 1/2" casing, could not ball hole below 780' from top and on November 16th ran 2" tubing and recemented top of 4 1/2" liner with 70 sacks of cement. On November 21st bailed the hole down to top of cement plug and hole tested dry, drilled cement plug and cleaned out to bottom and on 8 hour bailing test showed accumulation of oil and an estimated 3000 cu. ft. of gas, and tested 1 1/2 gallons of water per hour.

DRILLED		
Dark grey lime	3360	3364
Grey lime	3364	3368
Sand	3368	3372
Sand	3372	3377

No shows
No saturation or porosity

Grey lime	3377	3380	Found hole crooked, filled hole with rock and cast iron from 3380' to 3367', drilled out and straightened hole to 3380', then drilled ahead as follows:
Grey crystalline lime	3380	3383	No porosity or saturation
Same	3383	3386	
Same	3386	3391	
Grey crystalline lime	3391	3397	No porosity or saturation
Same	3397	3401	
Grey crystalline and brown lime	3401	3405	Little porosity and saturation, showing little free oil and testing 2 barrels water per hour.
Grey crystalline lime	3405	3409	No porosity or saturation
Same	3409	3414	Hole crooked at 3414' - Filled hole with rock and cast iron from 3414' to 3405', drilled out plug and straightened hole, then drilled ahead as follows:
Brown oolitic and crystalline lime	3414	3418	Slight porosity and saturation
Grey lime with little brown lime	3418	3423	Slight porosity
Dark grey lime	3423	3433	No porosity or saturation
TOTAL DEPTH		3433'	

On November 29, 1943, ran 2" tubing and treated with 2000 gallons of Morgan acid as follows:

ACID TREATMENT NO. 1 - Between 3350' and 3433'

Treatment put in November 29, 1943, by Morgan Acid Company using 2000 gallons Morgan acid and 100 barrels of oil to fill hole and to flush:

TIME	CP	TP	REMARKS
4:30 PM			Filled hole with 80 barrels of oil and started acid in
4:46 PM	Vac.	Vac.	575 gallons of acid in hole
4:52 PM	12"	15"	1000 gallons of acid in hole
5:00 PM	12"	16"	1500 gallons of acid in hole
5:08 PM	12"	15"	2000 gallons of acid in hole and started oil flush
5:35 PM	Vac.	Vac.	Hole flushed with 20 barrels of oil to complete treatment

After acid treatment swabbed out cut oil and acid water, then ran rods and connected well up to pump. On November 30th POB 12 hours, 60 barrels of oil and 40 barrels of water and moved out cable tools. Since this well is in a non-prorated area a State Corporation Commission supervised potential test was not necessary, therefore the well was completed after the above test was taken.

SLOPE TEST DATA						
DEPTH	ANGLE OF DEFLECTION		HORIZ.	DEPTH	ANGLE OF DEF.	HORIZ.
2250'	1/2 Degree		2.2	3250'	1/2 Degree	2.2
2500'	1/2 "		2.2			
2750'	1/2 "		2.2			
3000'	1/2 "		2.2			
				Total Deflection		11.0'