

ARCO OREX ARCO OREX ARCO OREX ARCO OREX

N-116 Rev. 1M

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 **J. M. Ratcliff**

WELL NO. **7**

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....	193.....			Date commenced.....	March 22	193.....	45
Date completed.....	193.....			Date completed.....	April 6	193.....	45
Cleaned out from.....	to.....	T. D.....		Plugged back to accepted from.....	4178'	to.....	3612'
Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. before.....	0	bbls. oil.....	400
Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. after.....	1	bbls. oil.....	0
Kind of tools used.....				Kind of tools used.....	Cable		
Tools owned by.....				Tools owned by.....	Flournoy Drilling Company		

ACID ~~SHOT~~ RECORD

Date	Mar. 30, 1945	Apr. 2, 1945	Apr. 3, 1945	
Size shot	750 gal.	500 gal.	1500 gal.	Qts.
Shot between	4052 Ft. and 4070 Ft.	3578 Ft. and 3583 Ft.	3578 Ft. and 3583 Ft.	Ft. and Ft.
Size of shell				
Put in by (Co.)	Dowell, Inc.	Dowell, Inc.	Dowell, Inc.	
Length anchor				
Distance below casing				
Damage to casing or casing shoulder	None	None	None	

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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 casing perforated:				28	4093'		40	4100'		cemented off;		113	holes
					4052'-4070',			3578'-3583',					Lane-Wells
					bridging plug set at			4129', 4078' and 3612'.					

Liner set at..... Length..... Perforated at.....
 Packer set at..... Size and kind.....

REMARKS (Give review of work accomplished and any other comment of interest) Water from the Arbuckle Line had increased to the point that this well's gas production from that zone, after plugging back from 4178' to 4143', had been completely drowned out. It was decided at this time to plug off the Arbuckle zone and test the upper horizons for commercial production.
Cable tools were moved in by Flournoy Drilling Company on March 22nd and the well plugged back as follows:

(Use reverse side for continuation of remarks and for formation record).

Superintendent.

REMARKS (Continued) On March 23rd pulled tubing and set Lane-Wells bridging plug at 4129', bailed the hole dry and plug tested OK. On March 25th perforated 4½" casing by Lane-Wells with 28 holes from 4093'-4100', 3000' water in hole in one hour with small show of gas. Bailed 12 hours and were unable to lower fluid level.

On March 28th set Lane-Wells bridging plug at 4078', bailed the hole dry and plug tested OK. Perforated 4½" casing with 113 holes from 4052' to 4070', slight show of gas at 4066'-4070'. On March 30th ran 2" tubing and treated with 750 gallons Dowell acid as follows:

ACID TREATMENT NO. 4 - Between 4052' and 4070'

Treatment put in March 30th by Dowell, Inc., using 750 gallons acid and 21 barrels of water to flush tubing:

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
TIME	CP	TP	REMARKS
11:40 AM			Hole filled with water and started acid in
11:53 AM	150#		500 gallons acid in hole
12:15 AM			750 gallons acid in hole and started flush
12:20 PM	Vac.	Vac.	10 barrels flushing water in hole
12:24 PM	Vac.	Vac.	21 barrels flushing water in hole and treatment complete

After acid treatment, swabbed out water and spent acid, then swabbed 12 hours, 6 barrels water per hour, no show of oil and no increase in gas.

On March 31st pulled tubing and set Lane-Wells bridging plug at 3612' and plug tested OK. Perforated 4½" casing by Lane-Wells with 40 holes from 3578' to 3583' and had slight show of water with scum of oil. Ran 2" tubing and treated with 500 gallons of Dowell "XF-20" acid as follows:

ACID TREATMENT NO. 5 - Between 3578' and 3583'

Treatment put in April 2, 1945, by Dowell, Inc., using 500 gallons acid and 20 barrels of water to flush tubing;

TIME	CP	TP	REMARKS
5:09 PM			Hole filled with water and started acid in
5:16 PM	100#	50#	500 gallons acid in hole and started flush
5:39 PM	750#	725#	9 barrels flushing water in hole
5:45 PM	500#	600#	13 barrels flushing water in hole
5:54 PM	775#	775#	20 barrels flushing water in hole and treatment complete

After acid treatment, swabbed well in through 2" tubing, flowed 3 hours through tubing, 1/2 barrel of cut oil and gas gauged 528 M cubic feet. Re-acidized on April 3rd with 1500 gallons of Dowell "XF-20" acid as follows:

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ACID TREATMENT NO. 6 - Between 3578' and 3583'

Treatment put in April 3, 1945, by Dowell, Inc., using 1500 gallons acid and 16 barrels of water to flush tubing:

<u>TIME</u>	<u>CP</u>	<u>TP</u>	<u>REMARKS</u>
4:17 PM			Hole filled with water and started acid in
4:27 PM	500#	400#	750 gallons acid in hole
4:33 PM	400#	300#	1200 gallons acid in hole
4:36 PM	300#	200#	1500 gallons acid in hole
4:43 PM	200#	150#	8 barrels flushing water in tubing
4:50 PM	50#	50#	16 barrels flushing water in tubing and treatment complete

After acid treatment, swabbed well in, then flowed through 2" tubing 3 hours, gas gauged 4,852 M cu. ft. and flowed 1 barrel of cut oil per hour.

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