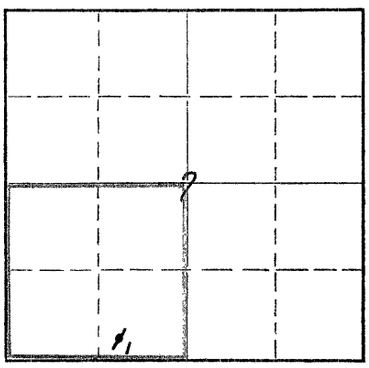
15-163-19337-00-00

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Rooks County. Sec. 7 Twp. 9S Rge. (E) 20 (W)
Location as "NE/CNW¼SW¼" or footage from lines SW/4 SE/4 SW/4
Lease Owner Skelly Oil Company
Lease Name Desmarteau "A" Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed November 9, 19 56
Application for plugging filed November 9, 19 56
Application for plugging approved November 13, 19 56
Plugging commenced November 12, 19 56
Plugging completed November 24, 19 56
Reason for abandonment of well or producing formation Dry Hole

If a producing well is abandoned, date of last production 19
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. Eldon Petty
Producing formation Depth to top Bottom Total Depth of Well 3825 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Dry	3755'	3825'	8-5/8"	272'0"	None
				5-1/2"	3787'0"	2725'9"

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Sand	3825' to 3764'	
Cement	3764' to 3756'	
Bridging plug	3740'	
Sand	3740' to 3715'	
4 sacks of cement	3715' to 3683'	
Mud laden fluid	3683' to 270'	
Rock bridge	270' to 260'	
20 sacks of cement	260' to 210'	
Mud laden fluid	210' to 35'	
Rock bridge	35' to 25'	
10 sacks of cement	25' to 6'	
Surface soil	6' to 0'	

RECEIVED
DEC 10 1956
12/10/56
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Ace Pipe Pulling Company
Address P.O. Box 304, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Wamsley (employee of owner) (~~or operator~~) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 8th day of December, 19 56

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1959

PLUGGING
FILE SEC 7 T 9 R 20 W
BOOK PAGE 115 LINE 16

5-4411

Form N47A Rev.

15-163-19337-00-00

SKELLY OIL COMPANY

Well Record

2212'
2209'
2206'

Lease Name and No. [illegible] "A" #34137 Well No. 1 Elev. 2206'

Lease Description SW/4 of Section 7-9S-20W, Rooks County, Kansas (160 Acres)

Location made October 5, 1956 by F. J. [illegible]

feet from North line 990 feet from East line } SW/4

330 feet from South line feet from West line } of Sec. 7

Work com'd 10/6 1956 Rig comp'd 10/8 1956 Drlg. com'd 10/8 1956 Drlg. comp'd 10/30

Rig Contractor Claude Wentworth Drilling Co., Inc.

Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from 0' to 3762' Cable Tool Drilling from 3762' to 3825'

Commenced Producing DRY HOLE 19 { Initial Prod. before shot or acid / Initial Prod. after shot or acid

Dry Gas Well Press. Volume

Casing Head Gas Pressure Volume

Braden Head (8-5/8" X 5½" OD) (Size) Gas Pressure Volume

Braden Head ( ) (Size) Gas Pressure Volume

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH 3825'

CASING RECORD

[illegible] Size	Wt.	Thds.	Where Set	Pulled Out Jts.	Pulled Out Feet	Pulled Out In.	Left In Jts.	Left In Feet	Left In In.	Kind	Cond'n	Cementing Sacks Used	Cementing Method Employed
8-5/8"	22.7#	J	278'				7	272	0	Armco SW	A	175	Halliburton
5-1/2"	14#	SR		64	2725	9	7	152	1	H40 R2 SS	A		
5-1/2"	14#	SR	3737'				26	909	2	J55 R2 SS	A	175	Halliburton
(8-5/8" casing set 1' in cellar and 5½" cased to derrick floor)													

Liner Set at Length Perforated at

Liner Set at Length Perforated at

Packer Set at Size and Kind

Packer Set at Size and Kind

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	10/26/56	10/31/56	11/6/56	
Acid Used / Size Shot	500 Gals. / Qts.	Gals. / Qts.	300 Gals. / Qts.	
Shot Between	3756 Ft. and 3764 Ft.	3756 Ft. and 3764 Ft.	3750 Ft. and 3755 Ft.	Ft. and
Size of Shell				For remaining
Put in by (Co.)	Halliburton	Halliburton	Halliburton	treatments see
Length anchor				remarks
Distance below Cas'g		(Acid-frac)		
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

Name	Top	Bottom	Gas From	Gas To	Oil From	Oil To	Remarks
Heebner Shale	3420'						
Toronto Lime	3443'						
Lansing Lime	3461'						
Conglomerate	3737'						
Arbuckle Lime	3755'						

CLEANING OUT RECORDS

	Date Commenced	Date Completed	Prod. Before	Prod. After	Remarks
1st					See Reverse for other de
2nd					" " " "
3rd					" " " "
4th					" " " "

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	Remarks
1st						See Reverse for other de
2nd						" " " "
3rd						" " " "
4th						" " " "

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
rface soil, clay, and sand rock	0	140	
ale and rock	140	265	
ale and shells	265	278	Set and cemented 8-5/8"OD, 22.7#, Armco S.W., S.J. steel casing (A cond.) at 278' with 175 sacks of common cement with 2% calcium chloride. Cement circulated.
ay and shale	278	1005	
nd, shale and shells	1005	1712	TOP ANHYDRITE 1705'
hydrite	1712	1751	BASE ANHYDRITE 1750'
ale and shells	1751	2319	TOP WELLINGTON 2050' BASE WELLINGTON 2225'
ale and lime	2319	3748	TOP NEVA 2720' BASE TOPEKA 3213' TOP HEEBNER SHALE 3420' TOP TORONTO LIME 3443' TOP LANSING LIME 3461' BASE KANSAS CITY LIME 3676' TOP CONGLOMERATE 3737'
dsey, medium grained sand	3748	3754	Fair to poor porosity, show of free oil.
ma	3754	3755	Ran Halliburton drill stem test No. 1, packer set at 3736', used 19' anchor, open 60 minutes, weak blow for 5 minutes, recovered 15' rotary mud, few specks dead looking oil, BHP-30# in 20 mins., IFP-0#, FFP-0#.
me	3755	3756	TOP ARBUCKLE LIME 3755'
ay and tan, fine to medium crystalline dolomite	3756	3762	Poor to fair porosity, fair to good saturation, free oil in samples.
			Set and cemented 2877'10" of 5½" OD, 14#, 8R thd., R-2, H-40, S.S. casing (A cond.); and 909'2" of 5½"OD, 14#, R-2, J-55, S.S. casing (A cond.) at 3757' with 175 sacks of special oil well cement. Finished cementing at 10:00 p.m. Opened stage collar at 3223' with 1000#-CP. Circulated 1 hour, show of cement. Spotted 139 barrels of heavy oil behind 5½" casing, oil circulated. Closed stage collar with 1400#-CP. Fin. 2:00 a.m. 10/20/56.

Rigged up cable tools and swabbed and bailed the hole down to top of stage collar on October 22, 5½" casing tested dry. Drilled out stage collar and bailed the hole dry to 3723'. Drilled cement plug to 3757' and cleaned out to bottom, 3762', no shows. Drilled deeper:

FORMATION	TOP	BOTTOM	REMARKS
ay, medium crystalline dolomite with some white chert	3762	3763	Spotted porosity and saturation, light show of free oil, no fill up.
me	3763	3765	No increase in fluid
own shale	3765	3769	Ran Lane-Wells Gamma Ray Neutron Survey from 3769' to 0'.

Bailed and tested 8 hours, 17 gallons of oil and no water. Plugged back with sand from 3769' to 3764' with 16½ gallons of sand to shut off shale. Ran 2" tubing and filled hole with 94½ barrels of oil. Tried to treat with 500 gallons of 15% Halliburton acid, unable to treat at 1800# maximum CP for 14 hours. Reversed out acid. Spotted 250 gallons of Halliburton MCA acid on bottom and held 1800#-CP for 7½ hours, unable to treat. Reversed out MCA acid and pulled 2" tubing. Swabbed out 94 barrels oil used to load hole and swabbed to bottom.

Bailed and cleaned out sand from 3764' to 3769' and ran 700' of oil in hole. Perforated 5½" casing and open hole from 3756' to 3764' with 32 Lane-Wells Kone shots, no change in fluid. Plugged back with 10 gallons sand from 3769' to 3764'. Ran 2" tubing and set Halliburton HM packer at 3750'. Filled annulus with 93 barrels of oil and pressured annulus to 1000#. Treated with 500 gallons of Halliburton MCA acid as follows:

Treatment put in 10/25/56 by Halliburton, using 500 gallons of acid and 15 barrels of oil to flush.

Time		CP	TP	Remarks
7:15	pm			Start to load hole
8:00	pm			Hole loaded
8:10	pm			Start to spot acid
9:15	pm	300#	0#	Acid on bottom
9:30	pm	1200#	1500#	
9:30	pm	1400#	1600#	
11:15	pm	1600#	1800#	250 gallons of acid in formation
11:40	pm	1500#	2400#	330 gallons of acid in formation
11:55	pm	1500#	1300#	500 gallons of acid in formation

Swabbed through 2" tubing 1 hour, 15 barrels of oil used in treating. Swabbed through 2" tubing 4 hours, 4 barrels of acid water and swabbed hole dry. On October 27, pulled 2" tubing and swabbed and bailed the hole dry and cleaned out sand from 3764' to 3769', 8 gallons of oil per hour. Drilled deeper:

Hard, gray cherty conglomerate with varicolored pyritic shale	3769	3775	No increase in fluid
Same	3775	3777	
Same	3777	3780	
White to medium crystalline dolomite	3780	3785	
Same	3785	3787	No increase in fluid
Buff, cherty conglomerate with various colored shale and traces of sand	3787	3810	No increase in fluid
Same	3810	3825	Tested 2 hours, 2 barrels of water with slight show of oil per hour

TOTAL DEPTH 3825'

Plugged back with sand from 3825' to 3764'. Ran 2" tubing and set Halliburton EU packer at 3730', used 83 barrels of oil to fill annulus. Pressured annulus to 600#, input below packer 3 barrels per minute at 3000#, used 20 barrels of oil for input test. Ran Halliburton Acid-frac as follows:

Used 2000 gallons of mud acid
1000# of sand
Maximum TP-3400#, minimum TP-3300#, final TP-1300#

Shut in 8 hours and pressure dropped to 800#. Released pressure and pulled 2" tubing and packer. Swabbed through 5½" casing 3 hours, 133 barrels of oil used in treating with show of water. Washed to bottom, then bailed and tested 6 hours, 25 gallons of water per hour with slight show of oil.

Ran 2" tubing and set Halliburton EU retainer at 3730' and cemented off Arbuckle Lime with 75 sacks of special oil well cement. Estimated 70 sacks below retainer at 3000#-TP. Reversed out 5 sacks of cement and pulled 2" tubing.

On November 5, swabbed and bailed the hole dry to top of retainer at 3730' and 5½" casing tested dry. Drilled out EU retainer and drilled cement plug to 3756' and hole tested dry.

Perforated 5½" casing from 3750' to 3755' with 65 holes by Lane-Wells, as shown. Ran 2" tubing and set Halliburton EU packer at 3730'. Filled annulus with 82 barrels of water, then treated with 500 gallons of Halliburton MCA acid as follows:

Treatment put in 11/6/56 by Halliburton, using 500 gallons of acid and 14 barrels of oil to flush.

Time		CP	TP	Remarks
11:11	am			Start Acid
11:20	am			Acid on formation
12:00	N	300#		Casing loaded
12:35	pm	500#	2000#	20 gallons of acid in
12:45	pm	600#	2400#	100 gallons of acid in
1:00	pm	600#	1800#	300 gallons of acid in

Pulled 2" tubing and packer and swabbed through 5½" casing 2 hours, 14 barrels of oil used in treating and 36 barrels of water. Bailed and tested 1 hour, hole dry. Ran 2" tubing, filled hole with 65 barrels of oil, then set EU packer at 3730'. Input test below packer 4 barrels per minute at 4000#-TP. Ran Halliburton Mud-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 3740' and 3755'

Used 7000 gallons of oil
1000# of sand
Maximum TP-4600#, final TP-1500#
Flushed with 20 barrels of oil
SI 4 hours for pressure drop, pressure dropped to 900#

Bled off pressure and pulled 2" tubing and packer. Swabbed through 5½" casing 2 hours, 160 barrels of oil used in treating. Bailed and tested 1 hour, hole dry.

Set Baker bridging plug at 3740' and perforated 5½" casing from 3732' to 3735' with 16 holes by Lane-Wells, and from 3725' to 3730' with 30 holes by Lane-Wells, no shows. Treated through 5½" casing with 500 gallons of acid as follows:

ACID TREATMENT No. 3 - Between 3725'-30' and 3732'-35'

Treatment put in 11/8/56 by Halliburton, using 500 gallons of acid and 90 barrels of oil.

TIME	CP	TP	TANK
8:20 pm			Start acid
8:25 pm			Start flush
8:40 pm			Acid on formation
9:40 pm	1250#		40 gallons of acid in formation
10:00 pm	1250#		100 gallons of acid in formation
10:30 pm	1250#		500 gallons of acid in formation

Swabbed through 5½" casing 3 hours, 89 barrels of oil used in treating. Bailed and tested 4 hours, 18 gallons of water per hour with trace of oil.

Since no commercial quantities of oil or gas were encountered in drilling to the total depth of 3825', regular authority was granted to plug and abandon the well.

November 12, machine was moved in and the well plugged as follows:

Shot off and pulled 84 jts. (2725'9") of 5½" OD, 14#, 8R thd., [illegible], H-40, [illegible] casing (B cond.)

Sand	3740' to 3715'
4 sacks of cement	3715' to 3683'
Mud laden fluid	3683' to 270'
Rock bridge	270' to 260'
20 sacks of cement	260' to 210'
Mud laden fluid	210' to 35'
Rock bridge	35' to 25'
10 sacks of cement	25' to 6'
Surface soil	6' to 0'

Plugged and abandoned November 24, 1956.

SLOPE TEST DATA: Tests were taken at 500', 1000', 1500', 2000', 2500', and 3000' with no deviation from vertical noted.