15-119-10302-0000

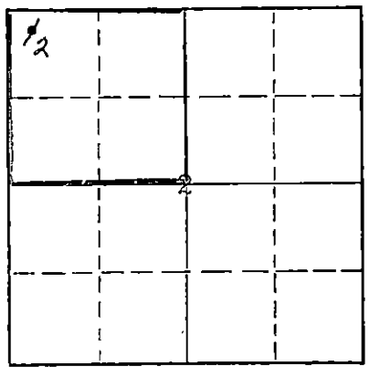
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

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

Meade County. Sec. 2 Twp. 34S Rge. (E) 29 (W)

Location as "NE/CNW¼SW¼" or footage from lines NW/4 NW/4 NW/4

Lease Owner Skelly Oil Company

Lease Name P. O. Mohler Well No. 2

Office Address P.O. Box 1650, Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Gas

Date well completed September 6, 19 58

Application for plugging filed October 8, 19 65

Application for plugging approved October 11, 19 65

Plugging commenced November 22, 19 65

Plugging completed November 24, 19 65

Reason for abandonment of well or producing formation Depleted

If a producing well is abandoned, date of last production Shut Down 8/1 1963

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. Hugh Scott

Producing formation Morrow Sand Depth to top 5712' Bottom Total Depth of Well 5880 Feet

PB 5795'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Morrow Sand	Gas	5712'	5720'	8-5/8"	1438'	None
				5-1/2"	5927'6"	4736'

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.

30 sacks of cement	5795' to 4780'
Mud laden fluid	4780' to 700'
Hull bridge	700' to 690'
35 sacks of cement	690' to 590'
Mud laden fluid	590' to 55'
Hull bridge	55' to 45'
15 sacks of cement	45' to Base of cellar
Surface soil	Cellar to Surface

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CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Sargent's Casing Pulling Service

Address 121 West 9th St., Liberal, Kansas

STATE OF Nebraska, COUNTY OF Red Willow, ss.

C. F. Bass (employee of owner) or (~~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) C F Bass

P. O. Box 649, McCook, Nebraska 69001
(Address)

SUBSCRIBED AND SWORN TO before me this 4th day of January 19 66

C E Lindsey
Notary Public.

My commission expires June 13, 1969

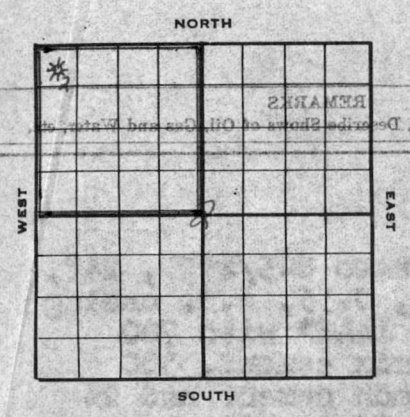
jj

15-119-10302-0000

Form N47A Rev.

SKELLY OIL COMPANY

Well Record



2476' RB
2473' DF
2466' GR
2464' DF

Lease Name and No. P. O. Mohler Well No. 2 Elev.

Lease Description S/2 Sec. 35, and N/2 SE/4 Sec. 34-33S-29W, and NW/4 Section 2-34S-29W, Meade County, Kans. (560 A)

Location made July 15, 1958 by W. C. Wilson

330 feet from North line ... feet from East line } NW/4

... feet from South line 330 feet from West line } of Sec. 2

Work com'd 7/16 1958 Rig comp'd 7/16 1958 Drlg. com'd 7/18 1958 Drlg. comp'd 8/20 1958

Rig Contractor Claude Wentworth Drilling Co., Inc.

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

Rotary Drilling from 0' to 5880' Cable Tool Drilling from To complete to ...

Completed 9/6/58

Commenced Producing ... 19 ... { Initial Prod. before shot or acid ... Bbls.

SI for pipeline connection { Initial Prod. after shot or acid ... Bbls.

Dry Gas Well Press. ... Volume 3,210,000 Cu. ft.

Casing Head Gas Pressure ... Volume ... Cu. ft.

Braden Head (Size 8-5/8"x5½"OD) Gas Pressure ... Volume ... Cu. ft.

Braden Head (Size ...) Gas Pressure ... Volume ... Cu. ft.

PRODUCING FORMATION Morrow Sand (Name) Top 5712' Bottom 5720' TOTAL DEPTH 5880' PB 5795'

CASING RECORD

OD 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"	24#	8R	1448'				8	1438	0	J55 R2 SS	A	1000	Halliburton
5-1/2"	15½	8R					61	1910	0	J55 R2 SS	A		
5-1/2"	14#	8R					97	3019	1	J55 R2 SS	A		
5-1/2"	15½	8R	5880'				31	998	5	J55 R2 SS	A	200	Halliburton

(8-5/8" casing set 2' in cellar and 5½" cased to derrick floor)

5½" casing perforations open:

Above PB TD: 5712'-5720' with 32 holes

Below PB TD: None

... 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	8/25/58	8/26/58	8/27/58	
Acid Used Size Shot	500 Gals. Qts.	Gals. Qts.	500 Gals. Qts.	Gals. Qts.
Shot Between	5712 Ft. and 5720 Ft.	5712 Ft. and 5720 Ft.	5234 Ft. and 5240 Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Halliburton	Halliburton	Halliburton	
Length anchor		(Vis-O-Frac)		
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Heebner Shale	4363'						
Lansing Lime	4513'						
Marmaton Lime	5157'						
Cherokee Lime	5373'						
Morrow Shale	5684'						
Morrow Sand	5712'		5712'	5720'			
Chester	5780'						

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JAN 6 1966
CONSERVATION DIVISION
Wichita, Kansas

CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					See Reverse for other details.
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 details.
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.
Surface soil and sand	0	105	
Sand and red bed	105	550	
Shale and shells	550	1448	Set and cemented 8-5/8"OD, 24#, 8R thd., R-2, J-55, S.S. casing (A cond.) at 1448' with 700 sacks of Pozmix cement, 300 sacks of common cement and 2% calcium chloride. Finished 11:50 a.m. 7/21/58. Cement circulated.
Shale and shells	1448	1765	
Lime and shale	1765	3005	
Lime, shale and chalk	3005	3620	
Shale and lime	3620	4710	TOP HEEBNER SHALE 4363'
Lime	4710	5164	TOP LANSING LIME 4513' TOP MARMATON LIME 5157' Ran Halliburton drill stem test No. 1, packer set at 5140', used 24' anchor, open 1 hour, gas to surface in 2 mins., gas gauged 180 MCF in 15 mins., 80 MCF in 30 mins., 53 MCF in 45 mins., and 53 MCF at end of 1 hour, recovered 90' of heavy oil and gas cut mud, 60' of mud and water cut oil, 70' of free oil and 770' of salt water, IBHP-1722#, IFP-100#, FFP-279#, FBHP-1450# in 20 minutes.
Lime	5164	5234	Ran Halliburton drill stem test No. 2, packer set at 5225'SLM, used 26' anchor, open 50 mins., no blow, recovered 130' of drilling mud, IBHP-1199#, IFP-99#, FFP-160#, FBHP-1005# in 20 mins.
SLM CORRECTION	5234	5251	5234'RM equals 5251'SLM
Lime	5251	5712	TOP CHEROKEE LIME 5373' TOP MORROW SHALE 5684'
Cored from 5712' to 5737' - Recovered 25' Top 1'6" - Lime, dark gray, coarse crystalline, tight Next 1' - Shale, black rotten Next 2'6" - Lime, brown to black, fine crystalline, dense, hard Next 1' - Shale, black and rotten Next 4'6" - Lime, tan to brown, fine crystalline, fossiliferous, cherty Next 4'6" - Sand, white, very fine grained, good porosity, fair oil stain, good odor, bleeding gas Next 2' - Sand, white, very fine grained, extremely reworked with black shale, fair porosity, bleeding gas with few spots bleeding oil, fair oil stain Next 3'6" - Sand as above, less shaly Next 2' - Shale, black and rotten Last 2'6" - Lime, black, medium crystalline, fossiliferous			TOP MORROW SAND 5712' Ran Halliburton drill stem test No. 3, packer set at 5717', used 20' anchor, open 1 hour, good blow throughout test, gas gauged 1,930 MCF, recovered 120' of gas cut muddy salt water, IBHP-1990#, IFP-91#, FFP-281#, FBHP-1919# in 20 minutes.
Lime and shale	5737	5810	TOP CHESTER 5780' Ran Halliburton drill stem test No. 4, packer set at 5740', used 70' anchor, open 1 hour, very weak blow for 21 minutes, recovered 92' of drilling mud, IBHP-149#, IFP-58#, FFP-58#, FBHP-78# in 20 minutes.
Lime and shale	5810	5880	Ran Schlumberger Laterolog Survey.
TOTAL DEPTH 5880'			Ran Halliburton drill stem test No. 5, packer set at 5811', used 69' anchor, open 1 hour, very weak blow for 17 minutes, recovered 50' of drilling mud, IBHP-78#, IFP-58#, FFP-58#, FBHP-58# in 20 minutes.

Set and cemented 5927'6" of 5½" casing at 5880 with 200 sacks of common cement and 500 gallons of Dowell Cealment. Finished 2:30 a.m. 8/22/58. Welex Temperature Survey showed top of cement behind 5½" casing at 4820'.

Rigged up cable tools and swabbed hole down on August 24. Drilled cement plug to 5820'SLM and ran McCullough Collar Log.

Perforated 5½" casing from 5712' to 5720' with 32 holes by McCullough regular bullets, gas gauged 1,010 MCF. Treated through 5½" casing from 5712' to 5720' with 500 gallons of Halliburton 15% mud acid as follows:

ACID TREATMENT NO. 1 - Between 5712' and 5720'

Treatment put in 8/25/58 by Halliburton, using 500gallons of acid and 131 barrels of water.

TIME	CP	TP	REMARKS
11:47 pm	200#		Start acid
12:01 am	400#		Acid on bottom
12:08 am	200#		500 gallons of acid in

Swabbed through 5½" casing 2½ hours and well started flowing. Flowed through 5½" casing 5 hours, gas gauged 1,220 MCF. On August 26, flowed through 5½" casing 3 hours, gas gauged 1,646 MCF. Ran Halliburton Vis-O-Frac as follows:

VIS-O-FRAC TREATMENT NO. 1 - Between 5712' and 5720'

Used 500 gallons of gelled kerosene followed by
3000 gallons gelled kerosene
3000# sand
Maximum CP-2000#, minimum CP-1850#
Time 3 minutes
Injection 30.1 barrels per minute
6000 gallons water to flush

Swabbed through 5½" casing, fluid used in treating and well started flowing. Flowed through 5½" casing 2 hours, gas gauged 5,150 MCF. Shut in 11 hours, then flowed through 5½" casing 1 hour, gas gauged 6,373 MCF.

Set Baker bridging plug at 5250' and plugged back with 1/2 sack of Cal-Seal from 5250' to 5246'. Perforated 5½" casing from 5234' to 5240' with 24 McCullough M-3 holes, no shows. Treated through 5½" casing with 500 gallons of Halliburton 15% mud acid as follows:

ACID TREATMENT NO. 2 - Between 5234' and 5240'

Treatment put in 8/27/58 by Halliburton, using 500 gallons of acid and 126 barrels of water.

TIME	CP	TP	REMARKS
3:25 pm			Start acid
3:30 pm			500 gallons acid in
3:40 pm	250#		
3:51 pm	50#		Finished flush

Swabbed out water used in treating, then swabbed through 5½" casing 10 hours, 7½ barrels of fluid per hour, 10% oil, balance water. On August 28, swabbed through 5½" casing 2 hours, 7½ barrels of fluid per hour, 10% oil.

Ran 2" tubing and set DN retainer at 5215'. Tried to squeeze cement off perforations from 5234' to 5240' with 225 sacks of common cement, would not pressure up. Let set 4 hours, then recemented with 125 sacks of common cement, TP-5000#. Raised 2" tubing and shut down for cement to set.

On August 30, pulled 2" tubing and swabbed the hole dry. Drilled cement plug to 5240', hole dry. Loaded hole with 30 barrels of water and drilled and drove retainer at 5215' and bridging plug at 5250' to 5795'SLM.

PLUGGED BACK TOTAL DEPTH 5795'

Ran 2" tubing, then swabbed through 2" tubing 30 minutes and well started flowing. Flowed through 2" tubing 4 hours to clean up hole, gas gauged 2,930 MCF, CP-500#. Moved out cable tools and shut in to flow intermittently.

SI CP-1650#. On September 6, flowed through 5½" casing with two 2" openings 1 hour, then shut casing valve and flowed through 2" tubing 1½ hours to clean up hole, gas gauged 3,210 MCF, CP-710#. Shut in for pipe line connection.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
300'	1/4 Degree
1100'	0 "
1250'	0 "
1255'	1/4 "
1700'	0 "
1765'	0 "
2100'	0 "
2500'	0 "
2850'	0 "
3215'	0 "
3725'	1/2 "
3835'	3/4 "
4125'	3 "
4190'	2-3/4 "
4250'	2 "
4310'	2 "
4370'	1½ "
4430'	1½ "
4510'	1½ "
4565'	1 "
4628'	1¼ "
4685'	1 "
4738'	1 "
4830'	1¼ "
4889'	1½ "
4945'	1-3/4 "
4955'	1¼ "
4960'	1½ "
5055'	1½ "
5092'	1½ "
5178'	1¼ "
5234'	1 "
5354'	3/4 "
5448'	1/2 "
5555'	1 "
5671'	1 "
5781'	1 "

FORM 16-136 (REV. 9/60)

SKELLY OIL COMPANY

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 P. O. Mohler #36060 WELL NO. 2 DISTRICT Platte
SEC. 2 T. 34S R. 29W COUNTY Meade AFE NO. 59429
BLOCK _____ SURVEY _____ STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced November 22, 19 65 Date completed November 24, 19 65
Deepened from _____ to _____ Total Depth _____
Plugged back from 5795' to Surface P.B.T.D. P & A
Cleaned out from _____ to _____
Production before Shut Down bbls. oil _____ bbls. water _____ cu. ft. gas.
Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas.
Tools owned by: Sargent's Csg. Pulling Service Kind used: Pulling Unit No. days rig time: 4
Cost of Job $ _____ Revised Estimated Payout (Mos.) _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		REMARKS
			Sacks Used	Top Cem't. Bh'd. Csg.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND	LEFT IN					PULLED OUT				
					Jts.	LTM Feet	LTM In.	WTM Feet	WTM In.	Jts.	LTM Feet	LTM In.	WTM Feet	WTM In.
5-1/2"	15½#	8R	J55 R2 SS	C						61	1897	0	1910	0
5-1/2"	14#	8R	J55 R2 SS	C	7	191	0	193	1	90	2806	0	2826	0
5-1/2"	15½#	8R	J55 R2 SS	C	31	991	5	998	5					

PRODUCING FROM

_____ thru OPEN HOLE / PERFORATIONS _____ TOP _____ BOTTOM Total No. Shots _____
FORMATION

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

As the well had declined to a point it would not produce gas against the pipe line pressure, it was shut down August 1, 1963. As there are no other zones considered worthy of testing, regular authority was granted to plug and abandon the well.

November 22, 1965, moved in and rigged up casing pulling unit of Sargent's Casing Pulling Service and plugged the well as follows:

30 sacks of cement 5795' to 4780'

Shot 5½" casing off at 4701' and pulled 151 joints (4736') of 5½" casing.

Mud laden fluid	4780' to 700'
Hull bridge	700' to 690'
35 sacks of cement	690' to 590'
Mud	590' to 55'
Hull bridge	55' to 45'
15 sacks of cement	45' to Base cellar
Surface soil	Cellar to Surface

Plugged and abandoned November 24, 1965.

JJ