

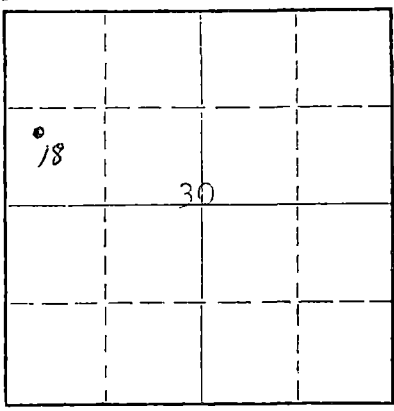
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

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

NORTH



Locate well correctly on above
Section Plat

Kingman County. Sec. 30 Twp. 27S Rge. (E) 10 (W)
Location as "NE/CNW/SW" or footage from lines NE/L SW/L NW/L
Lease Owner Skelly Oil Company
Lease Name Cunningham "B" Unit Well No. 18
Office Address P. O. Box 649, McCook, Nebraska 69001
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed September 22, 1935
Application for plugging filed April 10, 1967
Application for plugging approved April 13, 1967
Plugging commenced April 25, 1967
Plugging completed April 28, 1967
Reason for abandonment of well or producing formation Depleted and not
needed for waterflood program
If a producing well is abandoned, date of last production June 1960
Was permission obtained from the Conservation Division or its agents before plugging was com-
menced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. A. Elving
Producing formation Lansing Lime Depth to top 3403' Bottom Total Depth of Well 3444' Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Lansing Lime	Oil	3403'	3444'	12 1/2"	332' 6"	None
					3423'	1610'

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	3444' to 3375'
20 sacks of cement	3375' to 3295'
Mud	3295' to 210'
Rock bridge	210' to 200'
40 sacks of cement	200' to 140'
Mud	140' to 40'
Rock bridge	40' to 30'
20 sacks of cement	30' to cellar
Surface soil	Cellar to Surface

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CONSERVATION DIVISION
WICHITA, KANSAS

6-5-1967

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Knight Casing Pulling Company
Address P. O. Box 304, Chase, Kansas 67524

STATE OF Nebraska, COUNTY OF Red Willow, ss.
Charles R. Davis (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) Charles R. Davis
P. O. Box 649, McCook, Nebr. 69001
(Address)

SUBSCRIBED AND SWORN TO before me this 31st day of May 1967

My commission expires COMMISSION EXPIRES JUNE 13, 1969

G. E. Lindsey
Notary Public.

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 Cunningham "B" Unit
SEC. 30 T. 27S R. 10W
BLOCK _____ SURVEY _____WELL NO. 18 DISTRICT Platte
COUNTY Kingman AFE NO. 22217
STATE KansasTYPE OF WORK PLUG AND ABANDON WELLDate commenced April 25, 1967 Date completed April 28, 1967
Deepened from _____ to _____ Total Depth _____
Plugged back from 3444' to Surface P.B.T.D. _____
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: Knight Casing Pulling Co. Kind used: Plugging mach. No. days rig time: Contr.
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. Cas'g.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND	LEFT IN						PULLED OUT					
					Jts.	LTM		WTM		Jts.	LTM		WTM			
6-5/8"	22#	10V	R2 SS	0	59	Feet	In.	Feet	In.	53	Feet	In.	Feet	In.		
						1798	0	1813	0		1596	0	1610	0		

PRODUCING FROM

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

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

As the well has been shut down since September, 1960, and there are no further zones worth of testing, and the well cannot be utilized in the waterflood program, regular authority was granted to plug and abandon it.

On April 25, 1967, moved in and rigged up casing pulling unit of Knight Casing Pulling Company to plug and abandon the well.

Sand 3444' to 3375'
20 sacks of cement 3375' to 3295'

Shot 6-5/8"OD casing at 1982', 1791', 1605', and pulled 53 joints of casing (1610').

Mud 3295' to 210'
Rock bridge 210' to 200'
40 sacks of cement 200' to 140'
Mud 140' to 40'
Rock bridge 40' to 30'
20 sacks of cement 30' to cellar
Surface soil Cellar to Surface

Plugged and abandoned 4/28/67.

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SKELLY OIL COMPANY

A 10x10 grid map. The top edge is labeled 'NORTH' and the left edge is labeled 'SEA'. A black dot is located at row 4, column 2, with the label '#5' next to it. The number '30' is written at the intersection of row 5 and column 6.

Cunningham "B" Unit

Well #18

Well Record

J. M. Ratcliff #8026

53

1684° DE

Lease Name and No. NW/4 Section 30-27S-10W.

Lease Description Kingsman County, Kansas.

Location made July 12th, 1935 By Gould Randolph

950 feet from North line 440 feet from East line } of Lease

feet from South line		feet from West line			
Aug. 19th	35	Aug. 22nd	35	Sept. 16th	35
comp'd	19	comp'd	19	comp'd	19

Rig com'd _____ 19 _____ Rig com'd _____ 19 _____ Del. com'd _____
Allen, McCarthy and Beese, Inc., Tulsa, Oklahoma.

Rig. Contractor Southern and Thurmond, 503 - hiltower Building, Tulsa, Oklahoma.

Drilling Contractor	0	3408'	3408'	3451'
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Rotary Drilling from _____ to _____ Cable Tool Drilling from 2000' OIN 18' to _____

Sept. 22nd,	35	Initial Prod. before shot or acid	Bbls.
Commenced Producing	19	Initial Prod. after shot or acid	Bbls.
		142 barrels oil in 24 hours	Bbls.
		Potential test	Bbls.

Dry Gas Well Pressure _____ Volume _____ Estimated 100,000 after acid _____ Cu. ft.

Casing Head Gas Pressure 112.8 Sc. ft. = 5/8" OD Volume treatment Cu. ft.

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

Braden Head	Size	Gas Pressure	Volume	Cu	ft

Lansing Line 3403' 3444' 3444' CM

PRODUCING FORMATION _____ Top _____ Bottom _____ TOTAL DEPTH _____
(Name)

CASING RECORD

[illegible]

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Liner Set at _____ Length _____ Perforated as _____

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	9/20/55			
Acid Used	1000-----			
Size Shot	Gals. Qts.	Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell	Dowell, Inc.			
Put in by (Co.)				
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

[illegible]

(See Sheet No. 2 for Formation Record)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface sand	0	60	
Red bed	60	150	
Sand and red bed	150	180	
Red bed	180	290	
Red bed and sand shells	290	350	Set and cemented 12 $\frac{1}{2}$ " casing at 337' with 300 sack cement.
Shale and sand shells	350	395	
Shale and shells	395	1090	
Salt and gyp shells	1090	1230	
Shale and lime shells	1230	1340	
Lime and shells	1340	1410	
Shale and lime shells	1410	1670	
Lime	1670	1900	
Shale and lime shells	1900	1990	
Lime	1990	2100	
Lime (broken) and shale	2100	2160	
Shale and lime shells	2160	2235	
Lime	2235	2460	
Lime and shells	2460	2535	
Lime	2535	2575	
Lime (broken) and shale	2575	2625	
Shale and lime shells	2625	2790	
Lime	2790	2840	
Shale and shells	2840	3095	
Lime	3095	3330	
Shale and lime shells	3330	3398	

Cored 3398' - 3408' Recovered 3 $\frac{1}{2}$ '

1st, 3' - Broken grey shelly lime and dark grey shale

Next 1' - Brown crystalline lime

Next 2' - Brown crystalline lime w/ little saturation and porosity

Next 2 $\frac{1}{2}$ ' - Brown crystalline lime - Some saturation and porosity

TOP LANSING LIME

3403'

Reamed hole to 3404' and set and cemented 6-5/8" O.D. casing at 3403' with 500 sacks cement. Finished cementing at 8:20 AM 9/8/35 at which time commenced tearing out rotary tools preparatory to standardizing. Finished standardizing, rigging up cable tools and commenced bailing hole down on September 13th, 1935. On drilling plug at 3390' casing and cement job tested OK. Drilled plug to 3408' and gas commenced showing at estimated 20,000 cu. ft. with a little free oil in hole. Then drilled deeper as follows:

Lime, medium hard grey 3408 3414

Lime, medium hard grey 3414 3422

Lime, medium hard grey 3422 3427

Lime, medium hard grey 3427 3430

Lime, medium hard grey 3430 3432

Lime, brown and grey 3432 3435

Lime, brown and grey 3435 3437

Lime, medium soft brown and grey 3437 3442

Lime, medium hard grey 3442 3448

Lime, hard grey 3448 3449 $\frac{1}{2}$ Lime, hard grey 3449 $\frac{1}{2}$ 3451

No saturation or porosity

No saturation or porosity - 350' OIH in 3 hours.

No saturation or porosity - 600' OIH in 6 hours no increase in gas.

No saturation or porosity - 900' OIH in 9 hours no increase in gas.

No saturation or porosity

No saturation or porosity - No increase in gas or oil.

Same

No saturation or porosity - No increase gas - 1500' OIH in 12 hours.

No saturation or porosity - No increase gas or oil - 2000' OIH in 18 hours.

No saturation or porosity.

On drilling to 3451' - Test showed well making 2 bailers water per hour. After test commenced plugging back with lead wool to shut off bottom hole water. Plugged back from 3451' to 3448' after which no water showed on testing. Then dumped 2/3 sack of Incon cement on top of lead wool plug.

TOTAL DEPTH

3444' OM

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September 19th, 1935 run and set 2" regular tubing at 2410' open end, and on September 20th, treated well with 1000 gallons of Howell "X" acid solution as follows:

ACID TREATMENT NO. 1

Started oil in the hole and at 9:30 AM 9/20/35 had the hole full with 83 barrels of oil.

<u>Time</u>		<u>CP</u>	<u>TP</u>	<u>AMOUNT IN</u>
9:50 AM	Run in 7 gals. brine seal	1028	1650	7 gallons brine seal
9:55 "	Run in 1/2 bbl. oil	"	"	83 1/2 bbls. oil
9:57 "	Run in 5 gals. blanket	"	1" Vacuum	5 gallons blanket
10:00 "	Run in 1 bbl. acid	"	23" "	1 bbl. acid
10:03 "	Run in 15 gals. blanket	"	10" "	20 gals blanket
10:05 "	Run in 2 bbls. acid	"	26" "	3 bbls. acid
10:06 "	Run in 20 gals. blanket	"	26" "	40 gals. blanket
10:10 "	Run in 4 bbls. acid	"	26" "	7 bbls. acid
10:11 "	Run in 20 gals. blanket	100 1/2	26" "	60 gals. blanket
10:14 "	Run in 4.6 bbls. acid	360 1/2	26" "	11.6 bbls. acid
	Casing closed as acid was on bottom			
10:20 "	Run in 6.4 bbls. acid	350 1/2	16" "	18 bbls. acid
10:25 "	Run in 3 bbls. acid	200 1/2	25" "	21 bbls. acid
10:27 "	Run in 3 bbls. acid	175 1/2	26" "	24 bbls. acid
	All acid in and started flushing tubing with oil			
10:30 "	Run in 13.68 bbls. oil	60 1/2	16" "	
10:40 "	Had in 21.76 bbls. oil	25 1/2	10" "	
10:50 "	Had in 25.24 bbls. oil	20 1/2	20" "	
11:00 "	Had in 31.04 bbls. oil	20 1/2	20" "	

Total amount oil used during treatment 114 1/2 barrels. Used 1000 gallons Howell "X" acid solution, 7 gallons brine seal, 60 gallons blanket and 114 1/2 bbls. of crude oil during treatment. Finished treatment at 11:00 AM 9/20/35 and the well was shut in for the acid to act with 20 1/2 pressure on the casing and 20" vacuum on the tubing.

The well was left shut in until September 22nd, when it was opened for three hours during which time it flowed 53 barrels oil. September 23rd Potential test was started at 11:00 AM and during the next twenty four hours the well flowed 142 barrels oil showing no water. This Potential test gave a daily allowable of 49 BPD for the month of September. Gas after acid treatment ~~was~~ estimated 100,000 cubic feet.

SLOPE TEST DATA

<u>Depth</u>	<u>Angle of Deflection</u>	
250'	1	Degree
500'	1	"
750'	1	"
1000'	1	"
1250'	1	"
1500'	0	"
1750'	0	"
2000'	0	"
2250'	1	"
2500'	1	"
2750'	1	"
3000'	1	"
3250'	1	"

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