

15-065-03093-00-00-see

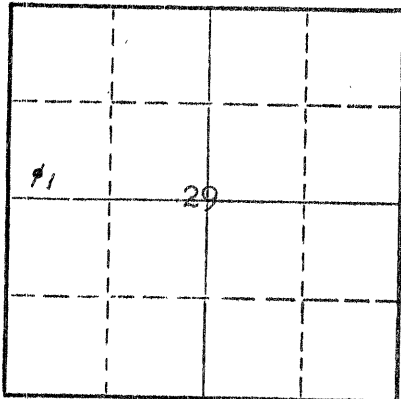
STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

Graham

County. Sec. 29 Twp. 8S Rge. (E) 22 (W)

Location as "NE/CNWxSWx" or footage from lines SW/4 SW/4 NW/4

Lease Owner Skelly Oil Company

Lease Name J. M. Moore

Well No. 1

Office Address 1860 Lincoln St., Denver, Colo. 80203

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

Date well completed January 15, 19 59

Application for plugging filed September 21, 19 67

Application for plugging approved September 22, 19 67

Plugging commenced October 26, 19 67

Plugging completed October 28, 19 67

Reason for abandonment of well or producing formation Uneconomical to operate

If a producing well is abandoned, date of last production October 10, 19 67

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. W. L. Nichols

Producing formation Lansing Lime Depth to top 3433' Bottom Total Depth of Well 3700 Feet

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

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Lansing Lime	Oil	3600'	3624'	8-5/8"	237 1/2'	None
				5-1/2"	3728'	3174'

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 3683' to 3550'

5 sacks of cement 3550' to 3510'

Mud laden fluid 3510' to 1175'

\*100 sacks of cement 1175' to 850'

20 sacks of cement 250' to 190'

Mud laden fluid 190' to 30'

10 sacks of cement 30' to 6'

Surface soil 6' to Surface

\*Mud laden fluid 850' to 250'

NOV 20 1967  
NOV 20 1967  
Conservation Division  
Wichita, Kansas

Name of Plugging Contractor Southwest Casing Pulling Co., Inc.

Address P. O. Box 364, Gt. Bend, Kansas 67530

STATE OF Colorado, COUNTY OF Denver

J. G. George

(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)

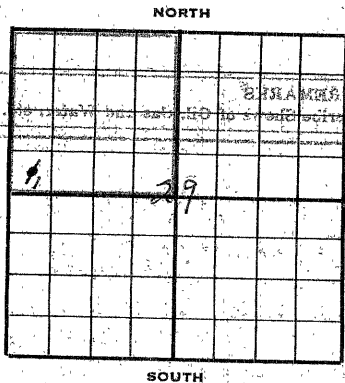
1860 Lincoln St., Denver, Colo. 80203

(Address)

SUBSCRIBED AND SWORN TO before me this 17th day of November, 19 67

My commission expires June 17, 1970

Notary Public.



# SKELLY OIL COMPANY

## Well Record

Lease Name and No. J. N. Moore Well No. 1 Elev. 2179'  
 Lease Description NW/4 of Section 29-43-22N, Graham  
County, Kansas (160 Acres)  
 Location made November 19, 1958 by P. J. Cusson  
330 feet from North line 330 feet from East line NW/4  
330 feet from South line 330 feet from West line of Sec. 29

Work com'd. 12/12 1958 Rig comp'd 12/13 1958 Drlg. com'd 12/23 1958 Drlg. comp'd 12/29

Rig Contractor Claude Wentworth Drilling Co., Inc.

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

Rotary Drilling from 0' to 3700' Cable Tool Drilling from to complete to

Commenced Producing January 15, 1959 Initial Prod. before shot or acid 4 gals. oily mud & SW/4

Dry Gas Well Press. Initial Prod. after shot or acid 208 g hrs., 160 HO, 123  
wt. to entan. 24 hr. 300 pot. of 200 gal.

Casing Head Gas Pressure Volume

Braden Head (8-5/8" 58,000) Gas Pressure Volume

Braden Head (Size) Gas Pressure Volume

PRODUCING FORMATION Lansing Line (Name) Top 3600' Bottom 3624' TOTAL DEPTH 3700'

### CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING		
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed	
<u>8-5/8" 22.7 SJ</u>			<u>338</u>				<u>6</u>	<u>237</u>	<u>6</u>	<u>Armed SW</u>	<u>A</u>	<u>100</u>	<u>Hallib.</u>	<u>238'</u>
<u>5-1/2" 14.8 SR</u>			<u>3699'</u>				<u>120</u>	<u>3728</u>	<u>0</u>	<u>55.82 SW</u>	<u>A</u>	<u>150</u>	<u>Hallib.</u>	<u>3699'</u>
<u>(8-5/8" casing set 1' below ground and 5/8" cased 1' above ground)</u>														
<u>5/8" casing perforations open</u>														
<u>Above PB TD: 3600'-3605' with 45 holes, and 3618'-3624' with 36</u>														
<u>holes</u>														
<u>Below PB TD: None</u>														

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	<u>1/6/59</u>	<u>1/7/59</u>		
Acid Used				
Size Shot	<u>500</u>	<u>500</u>		
Shot Between	<u>3618 Ft. and 3624 Ft.</u>	<u>3600 Ft. and 3605 Ft.</u>		
Size of Shell				
Put in by (Co.)	<u>Halliburton</u>	<u>Halliburton</u>		
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<u>Zapala Line</u>	<u>3205'</u>						
<u>Hochper Shale</u>	<u>3295'</u>						
<u>Toroito Line</u>	<u>3417'</u>						
<u>Lansing Line</u>	<u>3433'</u>				<u>3600' 3605'</u>	<u>Prod thru cas. perforati</u>	
					<u>3618' 3624'</u>		
<u>Harrison Line</u>	<u>3684'</u>						

### CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					<u>See Reverse for other det</u>
2nd					<u>" " " "</u>
3rd					<u>" " " "</u>
4th					<u>" " " "</u>

### PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st						<u>See Reverse for other det</u>
2nd						<u>" " " "</u>
3rd						<u>" " " "</u>
4th						<u>" " " "</u>

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
face soil and shale ls and rock	0 105	105 238	Set and cemented 8-5/8" OD, 22.77, Araco S.W., S.H. steel casing (A cond.) at 238' with 180 sacks of special oil well cement and 2% calcium chloride. Cement circulated. Finished at 4:30 a.m. 12/14/38.
ls	238	1240	
shale line	1240	1510	
ls	1510	1765	
ls and shells	1765	1815	<u>TOP ANTIKITE 1778'</u> <u>BASE ANTIKITE 1815'</u>
hydrite, shale and lime	1815	1980	
ls and shells	1980	2560	<u>TOP WELLINGTON 2003'</u> <u>BASE WELLINGTON 2248'</u>
ls and shale	2560	2635	
ls and shells	2635	2770	<u>TOP NEVA 2694'</u>
ls and shale	2770	3461	<u>TOP TOPICA LIME 3209'</u> <u>TOP BURNES SHALE 3375'</u> <u>TOP WINDY LIME 3437'</u> <u>TOP LANSING LIME 3433'</u>
ls, fine crystalline lime	3461	3470	Slightly vuggy porosity, no shows
ls	3470	3478	
green lime, finely crystal- line to cherty	3478	3491	No shows
ls	3491	3493	
ls, finely crystalline lime, dense	3493	3502	No porosity
ls	3502	3505	
ls, finely crystalline lime	3505	3516	Fair vuggy to primary porosity, fair saturation
ls	3516	3517	
ls, finely crystalline lime, dense	3517	3528	Very light stain, poor vuggy porosity with traces of dolomitic porosity.
			San Halliburton drill stem test No. 1, packer set at 3491', used 30' anchor, open 1 hour, weak blow for 58 mins. recovered 95% muddy salt water, no oil, IFF-0%, FFP- 30%, IBHP-420' in 20 mins., FBHP-800' in 30 mins.
ls, crystalline, cream colored lime, dense	3528	3548	Poor vugular porosity, no shows
ls, dense, fossiliferous fine crystalline lime	3548	3552	No shows
ls	3552	3557	
ls to medium crystalline cream colored lime	3557	3570	Fair vuggy porosity, no stains or shows
green lime, fine to medium crystalline	3570	3575	Fair vuggy porosity, no shows
ls	3575	3579	
ls, finely crystalline lime	3579	3585	Poor pinpoint porosity, trace of dark stain
			San Halliburton drill stem test No. 2, packer set at 3572', used 13' anchor, open 1 hour, weak blow for 5 mins., recovered 6' of drilling mud, no oil, IBHP-20', IFF-0%, FFP- 0', FBHP-0' in 20 mins.
ls, finely crystalline lime	3585	3590	Very poor pinpoint porosity with trace of dark stain
ls	3590	3593	
ls, very dense	3593	3604	Vuggy porosity, trace of light stain
ls	3604	3605	
			San Halliburton drill stem test No. 1, packer set at 3585', used 20' anchor, open 1 hour, fair blow increasing throughout test, recovered 170' of oil cut mud and 60' heavily oil cut mud, IFF-50%, FFP-103%, IBHP-1190' in 30 mins., FBHP-450' in 30 mins.



Cross, dense line	3605	3610	Jaggy porosity, trace of light stain
Line	3610	3613	
Ten line, medium crystalline	3613	3625	Fair inter-crystalline porosity, fair scattered saturation.

Run Halliburton drill stem test No. 4, packer set at 3610', used 15' anchor, packer would not hold.

Run Halliburton drill stem test No. 5, packer set at 3605', packer would not hold. Pulled packer. Reconditioned hole and ran Halliburton drill stem test No. 6, packer set at 3601', used 20' anchor, op 1 hour, weak blow for 10 min. recovered 100' of mud, no oil IPV and 777-CP, FROP-190' in 30 minutes.

Line and sand	3625	3700	<del>BASE LARGES GYT LINE 3612'</del> <del>TOP HALLIBURTON LINE 3605'</del> Run Welox Electric Log.
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TOTAL DEPTH 3700'

Set and cemented 5 1/2" OD, 11 1/2" SR thd., R-2, J-55, S.S. casing (A cond.) at 3699' with 150 sacks of Special Oil Well cement. Opened stage collar at 3149' with 750' CP. Circulated 2 hours, trace of cement. Spotted 142 barrels of heavy crude oil behind 5 1/2" casing, then closed stage collar with 1500' CP. Finished midnight 12/30/58.

Rigged up cable tools and snabbed and bailed the hole down to stage collar at 3149' on January 4, 1959. Hole tested dry. Drilled out stage collar at 3149', then snabbed and bailed the hole dry to 3666', 5 1/2" casing tested dry. Drilled cement plug to 3683'.

Casing Perforation No. 1 - Logging line - 3618' to 3624'  
3618'-3624' 36 holes

Tested 4 gallons of oily mud and salt water per hour. Treated through 5 1/2" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 3618' and 3624'

Treatment put in 1/6/59 by Halliburton, using 500 gallons of acid and 90 barrels of oil.

TIME	CP	IP	REMARKS
3:05 am			Start acid
3:20 am	150'		Acid on formation
3:55 am	190'		
4:10 am	200'		500 gallons of acid in

Snabbed through 5 1/2" casing 2 hours, 50 barrels of oil used in treating. On January 6, snabbed through 5 1/2" casing 1 hour, 40 barrels of oil used in treating. Then snabbed 7 hours, 165 barrels of formation oil and 10 barrels of acid water with trace of formation water.

Set Baker bridging plug at 3610' and snabbed the hole dry.

Casing Perforation No. 2 - Logging line - 3600' to 3605'  
3610'-3605' 45 holes

Tested 1/2 barrel of oil per hour with trace of water. Treated through 5 1/2" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3600' and 3605'

Treatment put in 1/7/59 by Halliburton, using 500 gallons of acid and 85 barrels of oil.

TIME	CP	IP	REMARKS
2:00 am			Start acid
2:13 am	200'		Acid on formation
2:15 am	150'		
2:20 am	150'		500 gallons of acid in

Snabbed through 5 1/2" casing 2 hours, 85 barrels of oil used in treating. Then snabbed 2 hours 200' off bottom, 42 barrels of oil with trace of water. On January 8, snabbed through 5 1/2" casing 4 hours 64 barrels of oil with 10% water. Drilled and drove bridging plug from 3610' to 3683' SLN.

PLUGGED BACK TOTAL DEPTH 3683'

Railed hole clear and ran 2" tubing. While preparing to run rods, well caught fire and burned up cable tool unit. Extinguished fire and cleaned up location. Ran rods and installed regular pumping equipment.

On January 14, PGB 16 hours, 150 barrels of oil and 10 barrels of water. On January 15, PGB 8 hours on physical potential test, 160 barrels of oil with 12% water to establish 24 hour State Corporation Commission potential of 400 barrels. Allowable 28 barrels per day.

<u>SLOPE TEST DATA</u>	
<u>DEPTH</u>	<u>ANGLE OF DEFLECTION</u>
500'	0 degrees
1000'	1/2 "
1500'	0 "
2000'	1/2 "
2500'	1/2 "
3000'	1/2 "

# 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 J. H. Moore  
 SEC. 29 T. 85 R. 22W  
 BLOCK \_\_\_\_\_ SURVEY \_\_\_\_\_

WELL NO. 1 DISTRICT Rocky Mountain  
 COUNTY Graham AFE NO. 23152  
 STATE Kansas

### TYPE OF WORK PLUG AND ABANDON WELL

Date commenced October 26, 1967 Date completed October 28, 1967  
 Deepened from \_\_\_\_\_ to \_\_\_\_\_ Total Depth \_\_\_\_\_  
 Plugged back from 3683' to Surface P.B.T.D. \_\_\_\_\_  
 Cleaned out from \_\_\_\_\_ to \_\_\_\_\_  
 Production before 4 bbls. oil 13 bbls. water \_\_\_\_\_ cu. ft.  
 Production after \_\_\_\_\_ bbls. oil \_\_\_\_\_ bbls. water \_\_\_\_\_ cu. ft.  
 Tools owned by: Southwest Csg. Pulling Co., Inc Kind used: Pulling Unit No. days rig time: \_\_\_\_\_  
 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. Casg.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT							
					Jts.	LTM	Feet	In.	Feet	WTM	In.	Jts.	LTM	Feet	WTM	
5-1/2"	147	8R	J55 R2 S3	C	18		553	0		737	0		92	2860	0	2800
5-1/2"	147	8R	J55 R2 S3	D									10	309	0	311

### 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 is uneconomical to operate and there are no secondary recovery prospects nor zones considered worthy of testing, regular authority was granted to plug and abandon it.

On October 11, 1967, moved in pulling unit of Brown Bros. and pulled tubing and rods and moved out unit.

On October 26, 1967, moved in and rigged up plugging machine of Southwest Casing Pulling Company and plugged the well as follows:

Sand 3683' to 3550'  
 5 sacks of cement 3550' to 3510'

Shot 5 1/2" casing at 3144' and pulled 3171' of 5 1/2" OD casing.

Mud laden fluid 3510' to 1175'  
 100 sacks of cement 1175' to 850'  
 Mud laden fluid 850' to 250'  
 20 sacks of cement 250' to 190'  
 Mud laden fluid 190' to 30'  
 10 sacks of cement 30' to 6'  
 Surface soil 6' to Surface

Plugged and abandoned October 28, 1967.

# 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 J. M. Moore  
 SEC. 29 T. 25 R. 22W  
 BLOCK \_\_\_\_\_ SURVEY \_\_\_\_\_

WELL NO. 1 DISTRICT Platte  
 COUNTY Graham AFE NO. Exp.  
 STATE Kansas

### TYPE OF WORK TEST ADDITIONAL LANSING ZONE

Date commenced March 28, 1964 Date completed April 5, 1964  
 Deepened from \_\_\_\_\_ to \_\_\_\_\_ Total Depth 3603'  
 Plugged back from \_\_\_\_\_ to \_\_\_\_\_ P.B.T.D. \_\_\_\_\_  
 Cleaned out from \_\_\_\_\_ to \_\_\_\_\_  
 Production before 4 bbls. oil 4 bbls. water \_\_\_\_\_ cu.  
12 bbls. oil 12 bbls. water \_\_\_\_\_ cu.  
 Production after \_\_\_\_\_  
 Tools owned by: Brown Bros. Well Servicing Co Kind used: Servicing Unit No. days rig time: 4  
 Cost of Job \$ \_\_\_\_\_ Revised Estimated Payout (Mos.) \_\_\_\_\_

### TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>3/30/64</u>	<u>Acid</u>	<u>3566'-3570'</u>	<u>750 gals. 15% CRA acid</u>

### 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	
<u>5 1/2" casing perforations open:</u>												
<u>Above PB ID: 3566'-3570'/12, 3600'-3605'/45, 3618'-3624'/36 holes</u>												
<u>Below PB ID: None</u>												

### PRODUCING FROM

LANSING LINE ~~FORMATION~~ thru OPEN HOLE PERFORATIONS 3566' 3624' 93  
 FORMATION TOP BOTTOM Total No. Shots

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

**March 28, 1964, moved in and rigged up servicing unit of Brown Bros. Well Servicing Company to test additional Lansing zones. Pulled rods and tubing.**

**PERFORATION JOB NO. 1 - Lansing Line - 3566'-3570'**  
**5 1/2" casing perforated with 3 shots per foot by Lane-Wells:**

**3566'-3570' - 4" - 12 shots**

**Fluid level at 3530'. Ran 2" tubing with 5 1/2" x 2 1/2" Lane-Wells Hookwall packer and set at 3587' (packer ball plugged with perforation on top). Tried to load hole with 80 barrels water, hole would not load.**

**TREATMENT NO. 1 - Acid - 3566'-3570'**  
**3/30/64 treated through tubing by Halliburton with 750 gallons of 15% CRA acid, TP-O, time 15 minutes, flushed with 111 barrels of water.**

**Pulled 2" tubing and packer. Ran tubing and rods. Moved out servicing unit 3/30/64.**

**4/1/64 FOB 24 hours, 6 barrels oil and 50 barrels load water.**  
**4/2/64 FOB 24 hours, 25 barrels oil and 45 barrels load water.**  
**4/3/64 FOB 24 hours, 35 barrels oil and 25 barrels salt water.**  
**4/4/64 FOB 24 hours, 22 barrels oil and 21 barrels water.**  
**4/5/64 FOB 24 hours, 12 barrels oil and 12 barrels water.**

**PLUGGED BACK TOTAL DEPTH 3603'**

**Completed 4/5/64 and producing oil from Lansing Line through casing perforations.**