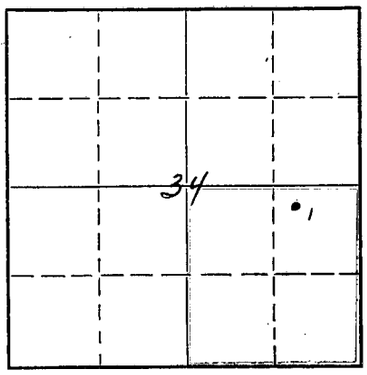
STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

15-051-00281-0000

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Ellis County. Sec. 34 Twp. 11S Rge. (E) 19 (W)
Location as "NE/CNW¼SW¼" or footage from lines NW/4 NE/4 SE/4
Lease Owner Skelly Oil Company
Lease Name Jensen "A" Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed September 10, 1953
Application for plugging filed August 25, 1954
Application for plugging approved August 26, 1954
Plugging commenced August 27, 1954
Plugging completed August 30, 1954
Reason for abandonment of well or producing formation Depleted oil well

If a producing well is abandoned, date of last production August 25, 1954
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. Warren H. Horner
Producing formation Arbuckle Lime Depth to top 3657' Bottom 3663' Total Depth of Well 3676 Feet
Show depth and thickness of all water, oil and gas formations. PB 3663'

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Oil	3657'	3663'	8-5/8"	1448'0"	None
				5-1/2"	3692'3"	2829'

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.

Rock	3663' to 3640'
4 sacks of cement	3640' to 3612'
Mud	3612' to 202'
75 sacks of cement	202' to 6'
Surface soil	6' to 0'

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

Name of Plugging Contractor Ace Pipe Pulling Company
Address Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Wamsley (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) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 2nd day of November, 19 54

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1955

24-7368-S 3-53-20M

PLUGGING
FILE SEC 34 T 11 R 19W
BOOK PAGE 59 LINE 6

11-03-54

15051-00281-0000

N-136 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.

Jensen "A" — LEASE; 1 — WELL NO.; Western Kansas — DISTRICT

SEC. 34 T. 11S R 19W — COUNTY Ellis — 9017 JOB NO.

SURVEY _____ BLOCK _____ — STATE Kansas

CLEANING OUT RECORD

Date commenced ..... 19 .....

Date completed ..... 19 .....

Cleaned out from ..... to ..... T. D .....

Prod. before ..... bbls. oil ..... bbls. water ..... cu. ft. gas

Prod. after ..... bbls. oil ..... bbls. water ..... cu. ft. gas

Kind of tools used: .....

Tools owned by: .....

PLUGGING BACK OR DEEPENING RECORD

Date commenced ..... August 27, 19 54

Date completed ..... August 30, 19 54

Plugged back or deepened from 3663 to 0' T.D. P & A

Prod. before 1 bbls. oil 24 bbls. water ..... cu. ft. gas

Prod. after ..... bbls. oil ..... bbls. water ..... cu. ft. gas

Kind of tools used: Cable

Tools owned by: Ace Pipe Pulling Company

SHOT RECORD

Date				
Size shot	Qts.	Qts.	Qts.	Qts.
Shot between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of shell				
Put in by (Co.)				
Length anchor				
Distance below casing				
Damage to casing or casing shoulder				

CHANGES IN CASING RECORD

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
5-1/2"	17#	8R		67	1487	6				H1 LW	C		
5-1/2"	14#	8R	3657'	44	1341	6	30	863	3	H40 R2 SS	C		

.....Liner set at..... Length..... Perforated at .....

Packer set at..... Size and kind.....

.....

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) On August 27, 1954, moved in tools of Ace Pipe Pulling Company and plugged the well as follows:

Rock	3663' to 3640'
4 sacks of cement	3640' to 3612'

Shot off casing at 2676', 2642' and 2620', and pulled 67 joints (1487'6") of 5½"OD, 17#, 8R thd., R-1, L.W. steel casing (C cond.); 44 jts. (1341'6") of 5½"OD, 14#, 8R thd., R-2, H-40, S.S. casing (C cond.).

Mud	3612' to 202'
75 sacks of cement	202' to 6'
Surface soil	6' to 0'

Plugged and abandoned August 30, 1954.

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.

Form N47A Rev.

15-051-00281-0000

SKELLY OIL COMPANY

Well Record

Lease Name and No. Jensen "A" Well No. 1 Elev. 2135'RB 2132'DF 2128'GR

Lease Description SE/4 Section 34-11S-19W, Ellis County, Kansas (160 Acres)

Location made August 13, 1953 by P. J. Cussen

330 feet from North line 990 feet from East line } SE/4 Sec. 34

feet from South line feet from West line } of

Work com'd 8/16 1953 Rig comp'd 8/21 1953 Drlg. com'd 8/21 1953 Drlg. comp'd 9/7 1953

Rig Contractor Chas. Hulse Drilling Contr.

Drilling Contractor Chas. Hulse Drilling Contr., Great Bend, Kansas

Rotary Drilling from 0' to 3663' Cable Tool Drilling from 3663' to 3676'

Commenced Producing September 10, 1953 { Initial Prod. before shot or acid 25 gals. oil per hr Bbls.
Initial Prod. after shot or acid PUB 8 hrs. 25.17 BO 71 BO to estab. 24 hr. CCC potential 76 bbls. Bbls.

Dry Gas Well Press Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (8-5/8"OD 5½"OD) Gas Pressure Volume Cu. ft.
Size

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

PRODUCING FORMATION Arbuckle Lime (Name) Top 3657' Bottom 3663' TOTAL DEPTH 3676' PB 3663'

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	1444'				44	1446	0	J55 R2 RLW	A	500	Halliburton
5-1/2"	17#	8R					67	1467	6	R1 LW	A		
5-1/2"	14#	8R	3657'				74	2204	9	H40 R2 SW	C	150	Halliburton

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

Used 1 - 5½" OD Baker Combination Guide & Float Shoe

Liner Set at Length Perforated at

Liner Set at Length Perforated at

Packer Set at Size and Kind

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	9/4/53	9/5/53	9/8/53	9/30/53
Acid Used Size Shot	500 Gals. Qts.	1000 Gals. Qts.	Gals. Qts.	500 Gals. Qts.
Shot Between	3657 Ft. and 3673 Ft.	3657 Ft. and 3673 Ft.	3657 Ft. and 3676 Ft.	3657 Ft. and 3662 Ft.
Size of Shell				
Put in by (Co.)	Dowell Inc.	Dowell Inc.	Halliburton	Dowell Inc.
Length anchor				
Distance below Cas'g			Hydrafrac	
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Topeka Lime	3129'				3132	3142	Oil. show free oil
Heebner Shale	3324'						
Lansing Lime	3369'						
Conglomerate	3640'						
Simpson Shale	3650'						
Arbuckle Lime	3655'				3657'	3663'	

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, clay and sand	0	40	
Shale and shells	40	580	
Shale and sand	580	1160	
Shale	1160	1355	
Shale and shells	1355	1434	
Anhydrite	1434	1444	TOP ANHYDRITE 1430' Set and cemented 8-5/8" OD, 24#, 8R thd., R-2, J-55, R.F.W. steel casing (A cond.) at 1444' with 40 sacks of common cement, 2% aquagel and 100 sacks of common cement, 2% aquagel and 2% calcium chloride. Cement circulated. BASE ANHYDRITE 1474'
Anhydrite	1444	1476	
Red clay	1476	1650	
Shale and shells	1650	2025	
Shale and lime	2025	2615	
Shale and shells	2615	2980	
Shale and lime	2980	3132	
Cream to finely sucrosic lime	3132	3142	TOP TOPEKA LIME 3129' Pin-hole porosity and stain, very slight show of free oil in samples, no odor.
Lime	3142	3295	
Shale and lime	3295	3355	TOP HEEBNER SHALE 3324'
Lime	3355	3450	TOP LANSING LIME 3369'
Lime and shale	3450	3520	
Lime	3520	3580	
Lime and shale	3580	3655	TOP CONGLOMERATE 3640' TOP SIMPSON SHALE 3650' TOP ARBUCKLE LIME 3655'
Buff, fine crystalline dolomite	3655	3659	Poor spotted stain and saturation poor porosity with oolitic chert
Same	3659	3663	Same Set and cemented 2204'9" of 5½" OD, 14#, 8R thd., R-2, H-40, R.F.W. casing (C cond.); and 1487'6" of 5½" OD, 17#, 8R thd., R-1, South Chester, L.F.W. steel casing (A cond.) at 3657' with Baker stage collar at 2901'. Cemented w/ 150 sacks of common cement and 2% aquagel. Finished cementing at 9:00 p.m. 8/31/53. Opened stage collar and pumped 156 barrels of oil to spot behind 5½" casing. Closed collar w/ 950#-CP. Rigged up cable tools and bailed the hole down on Sept. 2. Cleaned out to 2901' and 5½" casing tested dry. Drilled stage collar and 5½" casing tested dry. Bailed and cleaned out to 3623'. Drilled cement plug and cleaned out to bottom and cement job tested OK.
Drilled: Gray and brown, very hard fine crystalline to cherty dolomite	3663	3665	Poor porosity, slight oil stain with trace of green shale.
Gray and brown, hard, fine cherty crystalline dolomite	3665	3666	Poor porosity, no shows
Same	3666	3667	Fair porosity and saturation, show of free oil, tested 1 gallon of oil per hour, no water.
Gray and brown fine crystalline dolomite	3667	3671	Poor porosity and saturation, no increase in oil.
Gray and brown, soft finely crystalline dolomite	3671	3673	Fair to good porosity and saturation - Tested 25 gallons of oil per hour, no water.

Ran 2" tubing and filled hole with 84 barrels of oil. Treated with 500 gallons of Dowell "XHF-32 #-17" acid as follows:

15-051-00281-0000

ACID TREATMENT NO. 1 - Between 3657' and 3673'

Treatment put in 9/4/53 by Dowell Inc., using 500 gallons of acid and 96 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:50 pm	500#	500#	Filled hole with 84 barrels of oil
11:55 pm			Start acid in tubing
12:15 am	300#	0#	Acid on bottom
12:45 am	300#	0#	Start oil flush
1:17 am	900#	600#	42 gallons of acid in formation
1:24 am	800#	550#	84 gallons of acid in formation
1:30 am	900#	750#	250 gallons of acid in formation
1:35 am	850#	850#	500 gallons of acid in formation, Flushed with 12 barrels of oil

Swabbed through 2" tubing 3 hours, 45 barrels of oil used in treating. Ran rods and POB 4 hours, 39 barrels of oil used in treating; then POB 5 hours, 7 barrels of oil and no water. Pulled rods and treated with 1000 gallons of Dowell "XXF-32 W-17" acid as follows:

ACID TREATMENT NO. 2 - Between 3657' and 3673'

Treatment put in 9/5/53 by Dowell Inc., using 1000 gallons of acid and 199 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
8:10 pm	500#	500#	Filled hole with 75 barrels of oil
9:07 pm	100#	900#	Start acid in tubing
9:16 pm	400#	100#	Acid on bottom
9:22 pm	775#	650#	147 gallons of acid in formation
9:23 pm	900#	850#	
9:25 pm	900#	600#	400 gallons of acid in
9:31 pm	390#	0#	Start flush
9:39 pm	800#	800#	1000 gallons of acid in Flushed with 24 barrels of oil

Swabbed through 2" tubing 2 hours, 27 barrels of oil used in treating. Ran rods and POB 4 hours, 48 barrels of oil used in treating; then POB 4 hours, 10 barrels of oil and no water. On September 6, POB 24 hours, 23 barrels of oil and 1 barrel of water. Pulled tubing and rods and bailed hole dry, tested 1 hour, 1 barrel of oil.

Drilled:

White sucrosic dolomite	3673	3676	Very spotted porosity and saturation, no increase in fluid.

Ran 2" tubing and filled hole with 89 barrels of oil, set Halliburton HM packer at 3609'. Pressured annulus to 900#, would not hold. Used 10 barrels of oil for input at 2800#. Treated with Halliburton Hydrafrac as follows:

HYDRAFRAC TREATMENT NO. 1 - Between 3657' and 3676'

Used 1500 gallons of Gel agent
1500# of sand
Maximum TP-2800#, minimum 1800#
Flushed with 55 barrels of oil
Final pressure 1000#
Time 1 hour 50 minutes
Used total of 154 barrels of oil

Pulled tubing and packer and cleaned out to bottom. Swabbed through 5½" casing 11 hours, 154 barrels of oil used in treating and 60 barrels of water. Bailed and cleaned up hole. Ran 2" tubing and rods and POB 11 hours, 26 barrels of oil and 156 barrels of water.

On September 10, POB 8 hours on State Corporation Commission physical potential test, 25.17 barrels of oil and 71 barrels of water to establish 24 hour S.C.C. potential of 76 barrels. This potential allows 25 barrels per day.

Pulled rods and tubing and on September 11, dumped 5 gallons of Halliburton resin cement and 30 barrels of water on top of cement. Shut down two hours for cement to set, plugged back from 3676' to 3674½', then dumped 5 gallons more resin cement with 30 barrels of water on top of cement, plugged back from 3674½' to 3672'. Ran 2" tubing and rods and on September 12, POB 24 hours, 34 barrels of oil and 294 barrels of water. Pulled rods and tubing. Ran tubing and set Halliburton HRC packer at 3618'. Filled annulus with water and cemented off Arbuckle Lime with 75 sacks of cement, 11½ barrels of kerosene, 25 sacks of cement below packer, 18 sacks into formation at 1500#-TP. Reversed out 50 sacks of cement, pulled tubing and packer and shut down for cement to set.

On September 16, swabbed and bailed hole dry to 3618' and 5½" casing tested dry. Drilled cement plug and cleaned out to 3660'. Tested 2 gallons of oil per hour, no water. Drilled cement plug from 3660' to 3672', then swabbed through 5½" casing 11 hours, 2 barrels of oil and 18 barrels of water

On September 18, plugged back with lead wool and oakum from 3673' to 3663'. Bailed and tested 10 hours, 3 barrels of oil and 22 barrels of water. On September 26, drilled out lead wool plug to 3674'. Ran 2" tubing and set Halliburton DR retainer at 3618'. Pressured annulus to 500#. Tested for input, well took 1½ barrels of water per minute at 1000#-TP. Cemented through 2" tubing with 150 sacks of common cement and 2% calcium chloride. Forced 30 sacks of cement below retainer, estimated 24 sacks into formation, standing pressure 1000#. Pulled tubing and shut down for cement to set.

On September 28, swabbed and bailed the hole dry to 3618' and 5½" casing tested dry. Drilled cement retainer and cement plug to 3663' and hole tested dry. Loaded hole w/ 500' of water. Perforated open hole from 3657' to 3662' with 24 Lane-Wells Kone shots. Swabbed and bailed the hole dry. Bailed and tested 5 hours, no shows. On September 30, treated with 500 gallons of Dowell "XLF-32 X-17" acid as follows:

ACID TREATMENT NO. 3 - Between 3657' and 3662'

Treatment put in 9/30/53 by Dowell Inc., using 500 gallons of acid and 94 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:05 am	275#	275#	Filled hole with 82 barrels of oil
11:16 am	125#	125#	Start to bleed acid to bottom
11:22 am	250#	0#	Acid in tubing, pump 14½ bbls. oil in truck
11:45 am	250#	0#	Acid on bottom, start flush
2:15 pm	510#	300#	10 gallons of acid in
4:00 pm	500#	300#	42 gallons of acid in
4:30 pm	450#	300#	94 gallons of acid in
5:00 pm	450#	300#	140 gallons of acid in
5:45 pm	450#	325#	230 gallons of acid in
6:10 pm	450#	375#	310 gallons of acid in
6:30 pm	350#	340#	370 gallons of acid in
6:45 pm	250#	250#	430 gallons of acid in
7:05 pm	250#	250#	500 gallons of acid in
			Flushed with 12 barrels of oil

Swabbed through 2" tubing 7 hours, 65 barrels of oil used in treating. Ran rods and on October 1, POB 6 hours, 17 barrels of oil used in treating; then POB 12 hours, 16 barrels of oil and 100 barrels of water. On October 2, POB 8 hours, 5 barrels of oil and 41 barrels of water. Moved out cable tools.

TOTAL DEPTH 3676' PB 3663'