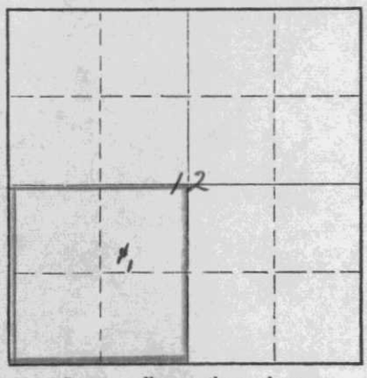
15-007-01685-00-00

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

Barber County. Sec. 12 Twp. 34S Rge. (E) 13 (W)

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

Lease Owner Skelly Oil Company

Lease Name Donovan "C" Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

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

Date well completed June 7, 19 56

Application for plugging filed June 8, 19 56

Application for plugging approved June 11, 19 56

Plugging commenced June 23, 19 56

Plugging completed June 27, 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. M. A. Rives

Producing formation Depth to top Bottom Total Depth of Well 4887 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
Mississippi Lime	Dry	4753'	4887'	8-5/8"	258'0"	None
					4925'9"	3909'

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	4775' to 4750'
5 sacks of cement	4750' to 4715'
Mud laden fluid	4715' to 250'
Sand and rock	250' to 240'
20 sacks of cement	240' to 180'
Mud	180' to 35'
Rock and sand	35' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to 0'
*Bridging plug	4850'
Bridging plug	4782'
Sand	4782' to 4775'

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

Name of Plugging Contractor West Supply Company

Address Chase, 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)

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 6th day of July, 1956

Josephine L. Johnson
Notary Public.

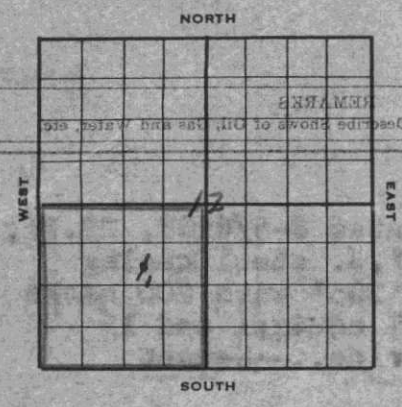
My commission expires April 7, 1959

PLUGGING
FILE SEC 12 T 34 R 13W
BOOK PAGE 69 LINE 42

RECEIVED
STATE CORPORATION COMMISSION
JUL 7 - 1956
CONSERVATION DIVISION
Wichita, Kansas

5-4411

Form N47A Rev.



SKELLY OIL COMPANY

Well Record

Lease Name and No. Donovan "C" Well No. 1 Elev. 1618'RB

Lease Description SW/4 Section 12-34S-13W,
Barber County, Kansas (160 Acres)

Location made April 25, 19 56 by Barber County Engineer

990 feet from North line 990 feet from East line } SW/4
feet from South line feet from West line } of Sec. 12

Work com'd 4/27 19 56 Rig comp'd 4/28 19 56 Drlg. com'd 4/28 19 56 Drlg. comp'd 5/17 19 56

Rig Contractor Chas. Hulme Drilling, Contractor

Drilling Contractor Chas. Hulme Drilling Contractor, Great Bend, Kansas

Rotary Drilling from 0' to 4887'RLM Cable Tool Drilling from To complete to

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

Dry Gas Well Press Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

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

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

4887'

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH

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"	22#		265'				7	258	0	Armco SW	A	200	Halliburton
5-1/2"	14#	8R	4887	122	3877	0	32	1016	9	J55 R2	B	150	Halliburton
5-1/2"	14#	8R		1	32	0				J55 R2	D		

(8-5/8" casing set 2' 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	5/22/56	5/23/56	5/26/56	
Acid Used Size Shot	500 Gals. Qts.	Gals. Qts.	500 Gals. Qts.	Gals. Qts.
Shot Between	4811 Ft. and 4821 Ft.	4811 Ft. and 4821 Ft.	4793 Ft. and 4797 Ft.	Ft. and Ft.
Size of Shell				For remaining
Put in by (Co.)	Halliburton	Halliburton	Halliburton	treatments see
Length anchor				remarks
Distance below Cas'g		(Vis-O-Frac)		
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Heebner Shale	3900'						
Douglas Sand	3969'						
Lansing Lime	4098'						
Marmaton Lime	4635'						
Mississippi Lime	4753'						

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, red bed and shells	0	265	Set and cemented 8-5/8"OD, 22.7#, Armco S.R., S.J. steel casing (A cond.) at 265' with 200 sacks of cement, 2% aquagel and 1% calcium chloride. Cement circulated.
Red bed, shale and shells	265	850	
Shale	850	1600	
Lime	1600	2500	
Shale	2500	2525	
Lime and shale	2525	3070	
Lime	3070	3260	
Shale and lime	3260	3385	
Lime	3385	3695	
Lime and shale	3695	3800	
Shale and sand	3800	3840	TOP ELGIN SAND 3816'
Shale and lime	3840	3885	
Sand and shale	3885	3956	TOP HUMBOLDT (CHALK 3900'
Shale and lime	3956	4070	TOP DOUGLAS (SAND 3969'
Shale	4070	4090	
Lime	4090	4450	TOP LANSING LIME 4098'
Sand, shale and lime	4450	4493	
Lime	4493	4546	
Sandy lime	4546	4576	
Lime	4576	4670	BASE KANSAS CITY LIME 4621'
Lime and shale	4670	4730	TOP MARMATON LIME 4633'
Lime	4730	4752	TOP MISSISSIPPI LIME 4753'
White opaque, slightly tripolitic chert and pale green tripolitic chert	4752	4790	Fair porosity, free oil in wet samples. Ran Halliburton drill stem test No. 1, packer set at 4736', used 54' anchor, open 1½ hours, good blow throughout, recovered 120' of mud, SI 20 mins. for BHP, IFP-65#, FFP-80#, BHP-80#.
White opaque chert	4790	4810	Spotted fair vuggy porosity and dark stain.
Lime and chert	4810	4840	Ran Halliburton drill stem test No. 2, packer set at 4790', used 50' anchor, open 1 hour, gas to surface in 57 minutes, volume too small to gauge, recovered 400' of heavily gas cut mud, SI 20 minutes for BHP, IFP-130#, FFP-190#, BHP-1410#.
Chert and lime	4840	4890	Ran Schlumberger Survey
			Correction: 4890' DPM equals 4887' SLM.
SLM	4890	4887	
			Set and cemented 5½"OD, 14#, 8R thd., R-2, J-55, S.R. casing (A cond.) at 4887' w/ 150 sacks of common cement and 15# Strata-crete. Finished 1:00 a.m. 5/18/56. Halliburton Temperature Survey showed top of cement behind 5½" casing at 3900'.

Rigged up cable tools and swabbed and bailed the hole dry to 4850'. On May 22, perforated 5½" casing from 4811' to 4821' with 50 holes by Lane-Wells; bailed and tested 2 hours, no gas. Treated with 500 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 1 - Between 4811' and 4821'

Treatment put in 5/22/56 by Halliburton, using 500 gallons of acid and 128 barrels of oil.

TIME	CP	TP	
4:32 pm			Start acid
4:38 pm			Start flush
5:02 pm		1000#	Acid on bottom
5:08 pm		900#	250 gallons of acid in
5:17 pm		850#	500 gallons of acid in
5:24 pm		850#	Finished flush

Swabbed through 5½" casing 6 hours, 128 barrels of oil used in treating and 12 barrels of acid water, gas too small to gauge. Ran 2" tubing and set Halliburton BM packer at 4802'. Ran Halliburton Vis-O-Frac as follows:

VIS-O-FRAC TREATMENT NO. 1 - Between 4811' and 4821'

Used 10,000# of sand
10,000 gallons of kerosene
500# adomite
145 barrels of oil to fill hole and flush
Maximum TP-3100#, minimum TP-2200#
Time 43 minutes

Flowed through 2" tubing open 22 hours, 190 barrels of oil used in treating and gas gauged 300 M.C.F. Pulled 2" tubing and HM packer and set Lane-Wells bridging plug at 4806'. Swabbed and bailed the hole dry and 5½" casing tested dry. Plugged back with 1/2 sack of Cal-Seal from 4806' to 4803'.

Perforated 5½" casing from 4793' to 4797' with 23 holes by Lane-Wells, gas gauged 240 M.C.F. Ran 2" tubing and set Halliburton HM packer at 4783'. Treated with 500 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 2 - Between 4793' and 4797'

Treatment put in 5/26/56 by Halliburton, using 500 gallons of acid and 158 barrels of oil.

TIME	CP	TP	REMARKS
3:36 pm	800#	400#	Start acid
3:40 pm	800#	3100#	Acid on bottom
3:41 pm	800#	2900#	160 gallons of acid in
3:42 pm	800#	2600#	330 gallons of acid in
3:43 pm	800#	3000#	500 gallons of acid in

Vis-O-FRAC TREATMENT NO. 2 - 4793' and 4797'

Used 10,000# of sand
10,000 gallons of kerosene
500# of Adomite
140 barrels of oil to fill hole and flush
Maximum TP-2900#, minimum TP-2100#
Time 45 minutes

Flowed through 2" tubing 6 hours, 63 barrels of oil used in treating and well quit flowing. Swabbed through 2" tubing 6 hours, 174 barrels of oil used in treating and gas gauged 150 M.C.F. On May 29, swabbed through 2" tubing 24 hours, 38 barrels of oil used in treating and gas gauged 150 M.C.F.

Pulled 2" tubing and HM packer, drove Lane-Wells bridging plug from 4806' to 4850'. Swabbed through 5½" casing 4 hours, 118 barrels of oil used in treating; then swabbed 4 hours, 15 barrels of oil used in treating and gas gauged 50 M.C.F. On May 30, swabbed through 5½" casing 24 hours, 24 barrels of oil used in treating and gas gauged 50 M.C.F.

Perforated 5½" casing from 4801' to 4811' with 57 holes by Lane-Wells. Swabbed and bailed the hole clean, then swabbed through 5½" casing 3 hours, 3.43 barrels of oil used in treating, and gas gauged 50 M.C.F. Ran 2" tubing open end to 4780', then ran Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4793'-97' and 4801'-21'

Used 15,000# of sand
240 barrels of heavy crude oil
260 barrels of regular crude oil to fill hole and flush
Maximum CP-2200#, TP-2200#, minimum CP and TP-2100#
Time 17 minutes

Flowed through 2" tubing 4 hours, 60 barrels of oil used in treating and well quit flowing. Swabbed through 2" tubing 20 hours, 275 barrels of oil used in treating and gas gauged 50 M.C.F. On June 3, swabbed through 2" tubing 24 hours, 95 barrels of oil used in treating, gas gauged 50 M.C.F., CP-375#. On June 4, swabbed through 2" tubing 24 hours, 50 barrels of oil used in treating, gas too small to gauge.

Pulled 2" tubing and set Lane-Wells bridging plug at 4782'. Plugged back from 4782' to 4775' with 4 gallons of Cal-Seal and 5½" casing tested dry. Perforated 5½" casing from 4760' to 4774' with 82 holes by Lane-Wells. Swabbed through 5½" casing 5 hours, 15 gallons of oil per hour, gas gauged 50 M.C.F. Treated through 5½" casing with 750 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 3 - Between 4760' and 4774'

Treatment put in 6/6/56 by Halliburton, using 750 gallons of acid and 130 barrels of oil.

TIME	CP	TP	REMARKS
3:30 pm			Start acid
3:40 pm			Start flush
3:50 pm	200#		Acid on bottom
3:55 pm	200#		Acid in formation
4:00 pm	Vac.		Treatment completed

Swabbed through 5½" casing 2½ hours, 110 barrels of oil used in treating. On June 6, swabbed through 5½" casing 4 hours, 20 barrels of oil used in treating and 16 barrels of acid water. Then swabbed 20 hours, 7 barrels of formation oil, 2 barrels of acid water and 7 barrels of formation water, gas too small to gauge.

Since no commercial oil or gas zones were encountered in drilling to the total depth of 4887', regular authority was granted to plug and abandon the well.

On June 23, moved in plugging machine and plugged the well as follows:

Sand	4775' to 4750'
5 sacks of cement	4750' to 4715'

Shot off 5½" casing at 3959' and 3695'. Pulled 122 joints (3909') of 5½"OD, 14#, ER thd., R-2, J-55, ?.?. casing (3 cond.); and 1 joint of same (D cond.)

Mud laden fluid	4715'	to	250'
Sand and rock	250'	to	240'
20 sacks of cement	240'	to	180'
Mud	180'	to	35'
Rock and sand	35'	to	30'
10 sacks of cement	30'	to	6'
Surface soil	6'	to	0'

Plugged and abandoned June 27, 1956.

SLOPE TEST DATA:

DEPTH	ANGLE OF DEFLECTION
500'	0 Degrees
750'	0 "
1000'	1/2 "
1532'	1/2 "
2000'	1 "
2415'	1 "
3000'	3/4 "
3500'	1¼ "
3600'	1¼ "
3650'	1¼ "
3925'	1 "
4070'	1 "
4500'	3/4 "