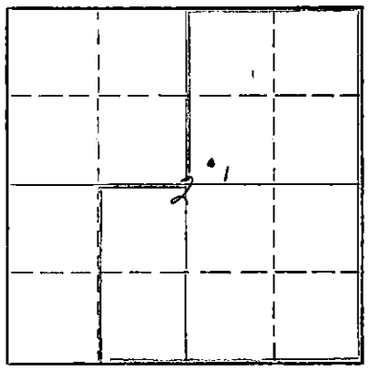
15-119-00148-0000 sc

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Meade County. Sec. 2 Twp. 35S Rge. (E) 28 (W)

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

Lease Owner Skelly Oil Company

Lease Name E. R. Hanson Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

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

Date well completed September 4, 19 53

Application for plugging filed September 5, 19 53

Application for plugging approved September 8, 19 53

Plugging commenced September 5, 19 53

Plugging completed September 5, 19 53

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 (verbally)

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives

Producing formation Depth to top Bottom Total Depth of Well 6617 Feet

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

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Mississippi Lime	Dry	6085'	6513'	9-5/8"	1305' 0"	None

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.

50 sacks of cement	6617' to 6480'
Mud laden fluid	6480' to 500'
40 sacks of cement	500' to 420'
Mud laden fluid	420' to 20'
10 sacks of cement	20' to 6'
Surface soil	6' to 0'

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

Name of Plugging Contractor Nichols-Duncan Drilling Company

Address Duncan, Oklahoma

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Wamsley (employee of owner) 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 22nd day of September, 19 53

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1955

24-2675-S 2-52—20M

STATE CORPORATION COMMISSION
9-23-53

PLUGGING
FILE SEC 2 T 35 R 28W
BOOK PAGE 27 LINE 14

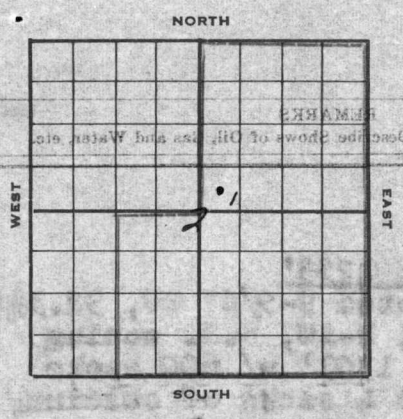
Form N47A Rev.

15-119-00148-0000

SKELLY OIL COMPANY

Well Record

#44578



2379'RB
2377'DF
2371'GR

Lease Name and No. E. R. Hanson Well No. 1 Elev.

Lease Description NE/4 & E/2 SW/4 Sec. 2-35S-28W,
Meade County, Kansas (400 Acres)

Location made July 9, 1953 by Meade County Engineer

330 feet from North line feet from East line } of Sec. 2
330 feet from South line feet from West line } NE/4

Work com'd 7/12 19 53 Rig comp'd 7/17 19 53 Drlg. com'd 7/17 19 53 Drlg. comp'd 9/3 19 53

Rig Contractor Nichols-Duncan Drilling Company

Drilling Contractor Nichols-Duncan Drilling Company, Duncan, Oklahoma

Rotary Drilling from 0' to 6617' Cable Tool Drilling from 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 (Size) Gas Pressure Volume Cu. ft.

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

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH 6617'

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
9-5/8"	32.3	8R	1303'				40	1305	0	H40 R2 SS A		600	Halliburton
(9-5/8" casing set 2' in cellar)													

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				
Acid Used 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				
Put in by (Co.)				
Length anchor				
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	4465'						
Toronto Lime	4491'						
Lansing Lime	4609'						
Marmaton Lime	5333'						
Morrow Sand	6000'						
Chester	6085'						

RECEIVED
STATE CORPORATION COMMISSION

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						" " " " "

PLUGGING
FILE SEC 2 T 35 R 28W
BOOK PAGE 127 LINE 14

(See Reverse for Record of Formation)

0000-847100-P11-21

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil and sand	0	74	
Surface sand and gravel	74	525	
Red bed and shells	525	1120	TOP ANHYDRITE 1255'
Shale and shells	1120	1303	Set and cemented 9-5/8" OD, 32.3# 8R thd., R-2, H-40, S.S. casing (A cond.) at 1303' w/ 600 sacks of cement and 4 sacks of calcium chloride. Cement circulated.
Salt, shale and shells	1303	2025	TOP WELLINGTON 1934'
Shale and anhydrite	2025	2574	
Anhydrite, lime and shale	2574	2773	TOP HERINGTON 2600' TOP KRIDER 2650' TOP WINFIELD 2703' TOP DOYLE 2748'
Shale and lime	2773	3881	TOP TOWANDA 2782' TOP FT. RILEY 2838' TOP WABAUNSEE 3599'
Shale	3881	3938	
Lime and shale	3938	4111	
Shale	4111	4201	
Shale and shells	4201	4380	
Shale	4380	4443	
Shale and lime	4443	4520	TOP HEEBNER SHALE 4465' TOP TORONTO LIME 4491' Ran Halliburton drill stem test, packer set at 4465', used 55' anchor, open 45 minutes, light flow for 45 minutes, recovered 500' of muddy water, BHP-2000#.
Lime and shale	4520	4547	
Lime	4547	4597	
Lime and shale	4597	4640	TOP LANSING LIME 4609'
Lime	4640	4713	Ran Halliburton drill stem test, packer set at 4634', used 79' of anchor, open 45 minutes, good blow to weak blow for 45 minutes, recovered 2600' of salt water, BHP-1625#.
Lime	4713	4810	Ran Halliburton drill stem test, packer set at 4713', used 97' anchor, open 45 minutes, good blow for 45 minutes, recovered 3600' of salt water, BHP-1700#.
Lime	4810	4903	
Lime and chert	4903	4929	
Lime	4929	5028	Ran Halliburton drill stem test, packer set at 4985', used 43' anchor, open 45 minutes, light blow for 45 minutes, recovered 450' of mud and salt water, BHP-1800#.
Lime	5028	5084	
Lime and shale	5084	5113	
Lime	5113	5145	
Lime and shale	5145	5288	
Lime	5288	5316	
Lime and shale	5316	5400	TOP MARMATON LIME 5333' Ran Halliburton drill stem test, used 83' anchor with packer set 5317', open 1 hour, light blow for 1 hour, recovered 630' of muddy salt water, slightly gas cut , BHP-1600#.
Shale and lime	5400	5483	
Lime	5483	5485	Ran Johnston drill stem test, packer set at 5399', used 86' anchor, open 45 minutes, light blow for 1 minute, recovered 30' drilling mud, BHP-550#.
Lime	5485	5500	
Lime and shale	5500	5538	
Lime	5538	5574	TOP CHEROKEE LIME 5572'
Lime and chert	5574	5603	TOP PENNSYLVANIAN SHALE 5926'
Lime and shale	5603	5950	TOP MORROW LIME 5948'

Cored from 5950' to 5996' - Recovered 37'

Top 8' - Gray, finely crystalline lime with vertical fractures
Next 4' - Black shale
Next 5' - Gray, finely crystalline, fragmented lime with few vertical fractures.
Next 2' - Fine to medium crystalline slightly shaley lime
Next 1' - Dark gray shale
Next 5' - Gray to tan mottled dense lime with vertical fractures

Next 1' - Gray shale
Next 6' - Tan, finely crystalline dense lime with vertical fractures
Next 2' - Gray finely crystalline fossiliferous lime
Last 3' - Gray argillaceous dense broken lime with some gray shale

Cored from 5996' to 6039' - Recovered 25'
Top 3' - Light green mottled finely crystalline nodular lime
Next 1' - Gray glauconitic conglomeratic fossiliferous shaley lime
TOP MORROW SAND 6000'
Next 7' - Gray tight fine grained quartzitic very slightly porous sand
Next 6' - Dark gray flakey shale with thin streaks of silt stone
Next 3' - Gray shaley quartzitic silt stone
Next 4' - Light gray fine grained quartzitic shaley very slightly porous sand
Last 1' - Dark gray blocky shale

Ran Halliburton drill stem test, packer set at 5956', used 83' anchor, open 1 hour, light blow for 15 minutes, recovered 15' of drilling mud, BHP-100#.

Cored from 6039' to 6048' - No recovery
Core barrel quit cutting - sample showed black rotten shale which would not hold in core catcher

Lime and shale 6048 6055

Cored from 6055' to 6099½' - Recovered 44½'
Top 20' - Fine grained, slightly glauconitic sand with thin shale laminations, slight to fair porosity, quartzitic in part.
Next 2' - Fine to medium grained slightly glauconitic quartzitic very shaley sand
Next 5' - Gray shale interbedded with fine to medium grained shaley sand
Next 1' - Tan, hard dense sublithographic lime
TOP CHESTER 6085'
Next 6' - Gray, fine crystalline argillaceous dense fossiliferous lime with vertical fractures
Next 2' - Lime as above interbedded withdark gray waxy shale
Last 8'6" - Gray to tan dense finely crystalline fossiliferous lime with vertical fractures and few streaks of gray shale

Ran Johnston drill stem test, packer set at 6023', used 76½' anchor, packer did not hold - Pulled and reran packer and set packer at 5980½', used 119' of anchor, open 45 minutes, light blow for 10 minutes, recovered 10' of drilling mud, BHP-545#.

Cored from 6099½' to 6155' - Recovered 55½'
Top 4'6" - Gray, fine to medium crystalline dense lime
Next 3' - Gray, finely crystalline, slightly shaley lime with vertical fractures
Next 22' - Tan, medium to coarse crystalline fossiliferous lime with very slight scattered intercrystalline porosity
Next 2' - Gray, finely crystalline fossiliferous very shaley lime
Next 9' - Tan, very fine crystalline dense stylolitic lime with shale partings
Next 11' - Light gray, fine to medium crystalline slightly fossiliferous fragmented lime with few streaks of gray shale and some vertical fractures
Last 4' - Gray, finely crystalline highly fragmented fossiliferous lime interbedded with black fossiliferous shale.

Ran Halliburton drill stem test, packer set at 6095', used 60' anchor, open 1 hour, very light blow for 45 minutes, recovered 30' of drilling mud, BHP-100#.

Lime and shale 6155 6170
Lime 6170 6195
Lime and shale 6195 6232

Ran Halliburton drill stem test, packer set at 6155', used 77' of anchor, open 45 minutes, very light blow for 5 minutes, recovered 15' of drilling mud, BHP-0#.

Shale and lime 6232 6292

Ran Halliburton drill stem test, packer set at 6238', used 54' anchor, open 1 hour, light blow for 10 minutes, recovered 20' of drilling mud, BHP-0#

Lime and shale	6292	6344	
Sand, lime and shale	6344	6387	Ran Halliburton drill stem test, packer set at 6285', open 1 hour, light blow for 15 mins., recovered 90' drilling mud, BHP-1040#.
Lime and shale	6387	6433	
Sand, lime and shale	6433	6458	
Sand and lime	6458	6469	
Lime	6469	6490	
Sandy lime	6490	6511	TOP ST. GENEVIEVE 6513' Ran Halliburton drill stem test, packer set at 6455', open 45 minutes, light blow for 5 mins., recovered 20' drilling mud, BHP-0#.
Lime and shale	6511	6546	
Sand and lime	6546	6559	
Lime, sand and shale	6559	6576	
Sandy lime	6576	6597	
Lime and shale	6597	6617	Ran Halliburton drill stem test, packer set at 6497', packer did not hold. Pulled and reran tester with 93' of anchor and set packer at 6524', open 1 hr., good blow for 30 mins., diminishing to light blow for 30 mins., recovered 900' of muddy salt water, BHP-2350#. Pulled drill pipe. Ran back and conditioned hole. Ran Schlumberger Survey.

TOTAL DEPTH 6617'

Since no commercial pay zones were encountered in drilling to 6617', regular authority was granted on September 5, 1953, to plug and abandon the well. On this date the well was plugged as follows:

50 sacks of cement	6617'	to	6480'
Mud laden fluid	6480'	to	500'
40 sacks of cement	500'	to	420'
Mud laden fluid	420'	to	20'
10 sacks of cement	20'	to	6'
Surface soil	6'	to	0'

Plugged and abandoned September 5, 1953.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
500'	1 Degree
1000'	1/2 "
2000'	0 "
2500'	1 "
3000'	1½ "
3500'	1-3/4 "
4500'	1 "
5000'	1 "
5485'	1-3/4 "

WATER ANALYSIS

Pawhuska Research Laboratory
Depth: 4634' to 4713'

	PPM
Chlorides as Cl.	138,507
Sulfates as SO_4.	618
Chlorides as NaCl.	228,306
Sulfates as $CaSO_4$.	876
Chlorides as $CaCl_2$	216,791
Sulfates as H_2SO_4.	631

- - -

Depth: 4713' to 4810'

Chlorides as Cl.	139,003
Sulfates as SO_4.	628
Chlorides as NaCl.	229,182
Sulfates as $CaSO_4$.	889
Chlorides as $CaCl_2$	217,567
Sulfates as H_2SO_4.	641

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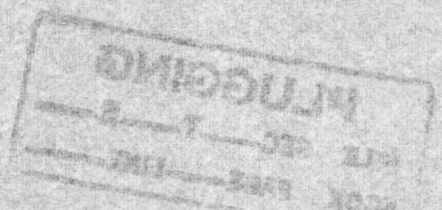

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H. R. HANSON WELL NO. 1 Sheet No. 3

WATER ANALYSIS

Depth: 4465' to 4520' August 24, 1953

	PPM
Chlorides as Cl.	26,772
Sulfates as SO_4.	2,152
Chlorides as NaCl.	44,130
Sulfates as $CaSO_4$.	3,050
Chlorides as $CaCl_2$	41,903
Sulfates as H_2SO_4.	2,197

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Depth: 4985' to 5028' August 24, 1953

Chlorides as Cl.	58,154
Sulfates as SO_4.	1,405
Chlorides as NaCl.	95,850
Sulfates as $CaSO_4$.	1,992
Chlorides as $CaCl_2$	92,352
Sulfates as $H2SO_4$.	1,435

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Depth: 5317' to 5400' August 24, 1953

Chlorides as Cl.	76,345
Sulfates as SO_4.	1,356
Chlorides as NaCl.	125,843
Sulfates as $CaSO_4$.	1,921
Chlorides as $CaCl_2$	119,491
Sulfates as H_2SO_4.	1,384

- - -

Depth: 6524' to 6617' September 14, 1953

Chlorides as Cl.	17,198
Chlorides as NaCl.	28,348
Chlorides as CaCl.	26,918
Sulfates as SO_4.	1,903
Sulfates as $CaSO_4$.	2,696
Sulfates as H_2SO_4.	1,942