

STATE OF KANSAS
STATE CORPORATION COMMISSION

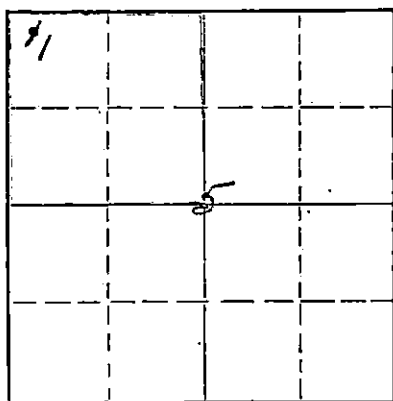
WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 North Market, Insurance Bldg.
Wichita, Kansas

Pratt County, Sec. 5 Twp. 27S Rge. (E) 12 (W)

Location as "NE/CNW/SW" or footage from lines NW/4 NW/4 NW/4
Lease Owner Skelly Oil Company
Lease Name Helmke "G" Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed June 24, 19 48
Application for plugging filed June 24, 19 60
Application for plugging approved June 27, 19 60
Plugging commenced August 1, 19 60
Plugging completed August 10, 19 60
Reason for abandonment of well or producing formation Depleted - Not economical to operate
If a producing well is abandoned, date of last production May 20, 19 60
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

NORTH



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. Fred W. Hampel
Producing formation Simpson Sand Depth to top 4213 Bottom 4229 Total Depth of Well 4316 Feet
PB 4229
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
Simpson Sand	Oil	4213'	4229'	8-5/8"	454'9"	None
				5-1/2"	4331'3"	2338'

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	4229' to 4200'
5 sacks of cement	4200' to 4160'
Heavy mud	4160' to 310'
Rock	310' to 300'
20 sacks of cement	300' to 240'
Mud	240' to 40'
Rock	40' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to Surface

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CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Ace Pipe Pulling Company
Address P.O. Box 304, Great Bend, 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) _____

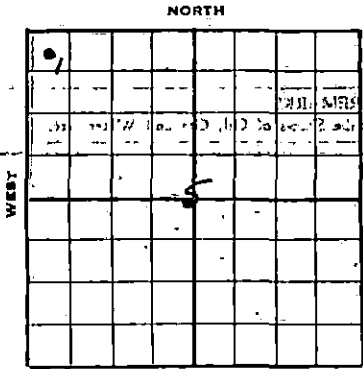
Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 29th day of August, 19 60

My commission expires April 7, 1963

Notary Public.

SKELLY OIL COMPANY



Well Record 3.21.1948 Elev. 1888'
 1894' DE
 Lease Name and No. 55412 Well No. 1 Elev. 1888'
 Lease Description Grant County, Kansas
 Location made May 15, 1948 by G. A. Richter
339 feet from North line 339 feet from East line
5/23 feet from South line 5/23 feet from West line of 6/11 48

Work com'd. 19 Rig com'd. 19 Drig. com'd. 19 Drig. com'd. 19
 Rig Contractor Clairmont Drilling Co., Inc., Tulsa, Oklahoma
 Drilling Contractor 309 4216' SLM To complete
 Rotary Drilling from _____ to _____ Cable Tool Drilling from _____ to _____

Commenced Producing June 24, 1948 Initial Prod. before shot or acid 5000 of oil Bbls.
 Initial Prod. after shot or acid 700 hrs. 45.24 bbls. Bbls.
4216' SLM 700 hrs. 45.24 bbls. 176 bbls.

Dry Gas Well Press. _____ Volume _____ Cu. ft.
 Casing Head Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (8-5/8 5 1/2 OD) Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (_____ Size) Gas Pressure _____ Volume _____ Cu. ft.

PRODUCING FORMATION Simpson Sand Top 4213' Bottom 4228' TOTAL DEPTH 4228'

CASING RECORD

OD	Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	CEMENTING Method Employed
					Jts.	Feet	In.	Jts.	Feet	In.				
8-5/8"	28	32	457'				15	454	9	440 R2 30 A		225	Halliburton	
5-1/2"	14	0	397 1/2' SLM				35	4331	3	355 R2 30 A		100	Halliburton	
(8-5/8" OD casing set 5' in cellar and 5 1/2" cased to derrick floor)														
(Perforated 5 1/2" casing w/ 54 holes from 4213'-25'; 63 holes from 397 1/2'-80', cemented off; 24 holes from 3395'-99', cemented off; 35 holes from 3848'-53', cemented off)														
Used 1 - 5/8" OD Baker Combination Guide & Float Shoe														

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	6/22/48	6/24/48	6/25/48	
Acid Used Size Shot	500 Gals. Qts.	500 Gals. Qts.	1500 Gals. Qts.	
Shot Between	4297 1/2 Ft. and 4316 Ft.	4213 Ft. and 4225 Ft.	4213 Ft. and 4225 Ft.	Ft. and Ft.
Size of Shell	5 1/2" SLM			
Put in by (Co.)	Dowell Inc.	Dowell Inc.	Dowell Inc.	For remaining treatments see remarks
Length anchor				remarks
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Lensing Line	3675'						
Mississippi Line	4109'						
Kinderhook Shale	4128'						
Viola Line	4144'						
Simpson Shale	4180'						
Simpson Sand	4214'				4214	4224	li. stain, fair per. & odor
					4224	4235	li. stain, good odor
Arkwick	4294'						

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)

32210M
 10

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil and sand	0	200	
Red bed	200	457	Set and cemented 8-5/8" OD, 28' 3rd. thd., H-40, R-2, National Seamless steel casing at 457' with 235 sacks of cement and 3 sacks of aquegel.
Red bed	457	920	
Anhydrite	920	950	
Shale and shells	950	1130	
Salt and shale	1130	1230	
Shale and shells	1230	1345	
Shale and lime	1345	1730	
Lime	1730	1845	
Broken lime	1845	1975	
Lime and shale	1975	2120	
Sandy lime	2120	2150	
Lime and shale	2150	3293	
Broken lime and shale	3293	3400	
Lime	3400	3430	
Lime and shale	3430	3615	
Lime	3615	3642	
Lime and shale	3642	3826	TOP LAMING LINE 3675'
Lime	3826	3912	(3861'-65' slightly porous lime, oil stained; 3895'-3901' porous oolitic limestone)
Shale and lime	3912	3945	
Lime	3945	4063	
Lime chert and shale	4063	4089	
Lime and shale	4089	4108	
Lime and chert	4108	4126	TOP MISSISSIPPI LIME 4109'
Chert and shale	4126	4132	TOP KINDERHOOK SHALE 4131'
Shale	4132	4145	TOP VIOLA LIME 4144'
Lime and chert	4145	4166	
Chert, lime and shale	4166	4180	TOP OLMPSON SHALE 4180'
Green shale	4180	4188	
Green sandy shale	4188	4194	
Dolomite and sandy dolomite	4194	4206	
Sandy shale	4206	4214	TOP OLMPSON SAND 4214'
Sand	4214	4224	Light stain, fair porosity and odor
Sand and shale	4224	4235	Light stain, good odor

Ran Halliburton drill stem test with packer set at 4179', open 30 minutes, recovered 20' of mud, no oil or gas.

Ran 2nd drill stem test with packer set at 4179', open 30 minutes, recovered 25' mud, no oil or gas.

FORMATION	TOP	BOTTOM	REMARKS
Sandy dolomite	4235	4238	
Sand and lime	4238	4248	
Sand	4248	4258	
Sand and shale	4258	4276	
Lime and shale	4276	4288	Arbuckle Lime 4294'
Shale and lime	4288	4294	
Buff light gray medium crystalline dolomite	4294	4296	
Sand	4296	4298	Slight porosity
Coarsely crystalline dolomite	4298	4305	Ran Halliburton drill stem test with packer set at 4296', open 45 minutes, recovered 10' of oil cut and 10' of mud.

FORMATION	TOP	BOTTOM	REMARKS
Medium crystalline dolomite	4305	4313	Spotted porosity
			Ran Halliburton drill stem test with packer set at 4296', open 45 minutes, recovered 10' of oil cut and 10' of mud.
			Set and cemented 5 1/2" OD, 14' 3rd. thd., J-55, R2, National Seamless steel casing at 4294' with 100 sacks of cement and 4 1/2 sacks of aquegel.
			Finished cementing at 12:20 P.M. 6/13/48.

FORMATION	TOP	BOTTOM	REMARKS
			Moved in and rigged up cable tools and bailed the hole down on June 21, and 5 1/2" casing tested OK.
			Drilled cement plug and cleaned out to bottom. Correction: 4313' to 4316'.

Tested some of oil and no water. On June 22, treated with 500 gallons of Howell-191 acid as follows:

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ACID TREATMENT NO. 1 - Between 4297' and 4316'

Treatment put in 6/23/48 by Lowell Inc., using 500 gallons of acid and 93 barrels of oil to fill hole.

TIME	OP	RE	REMARKS
11:09 AM			Start acid in hole
11:16 AM			500 gallons of acid in hole
12:10 PM	500		Filled hole with 93 barrels of oil
12:59 PM	575		126 gallons of acid in formation
1:25 PM	550		375 gallons of acid in formation
1:35 PM	550		460 gallons of acid in formation
1:39 PM	550		500 gallons of acid in formation

Swabbed out oil used in acidizing, then swabbed 2 1/2 barrels of water with very small amount of oil per hour for 12 hours. On June 23, set Lane-wells plug at 4260' and plugged back with Joplin chat to 4250'. Perforated 5 1/2" casing by Lane-wells from 4213' to 4225' with 24 holes. Tested 5 hours, 5 gallons of water with slight seum of oil per hour, then water exhausted. On June 24, treated through 5 1/2" casing with 500 gallons of Lowell "AR-16" acid as follows:

ACID TREATMENT NO. 2 - Between 4213' and 4225'

Treatment put in 6/24/48 by Lowell Inc., using 500 gallons of acid and 104 barrels of oil to fill hole and to flush.

TIME	OP	RE	REMARKS
12:46 PM			500 gallons of acid in hole
1:35 PM	600		Filled hole with 92 barrels of oil
2:05 PM	900		42 gallons of acid in formation, bedding
2:55 PM	1050		315 gallons of acid in formation
3:00 PM	800		350 gallons of acid in formation
3:05 PM	650		400 gallons of acid in formation
3:15 PM	700		460 gallons of acid in formation
3:20 PM	780		500 gallons of acid in formation

After acid treatment, swabbed out oil used in treating, then tested 1/2 barrel oil and no water per hour. On June 25, treated through 5 1/2" casing with 1500 gallons of Lowell "AR-16" acid as follows:

ACID TREATMENT NO. 3 - Between 4213' and 4225'

Treatment put in 6/25/48 by Lowell Inc., using 1500 gallons of acid and 68 barrels of oil to fill hole.

TIME	OP	RE	REMARKS
11:55 AM			Start acid in hole
12:20 PM	200		Filled hole with 68 barrels of oil
12:30 PM	450		160 gallons of acid in formation
12:50 PM	630		670 gallons of acid in formation
1:00 PM	675		940 gallons of acid in formation
1:10 PM	700		1200 gallons of acid in formation
1:22 PM	750		1500 gallons of acid in formation

Swabbed out oil used to acidize, then tested 5/8 bbl. of oil and 5/8 barrel of water per hour.

On June 26, dumped 20 1/2' of Cal-Seal on top of bridging plug, then dumped 3 1/2' of Joplin chat on top of Cal-Seal. Set shot in 5 1/2" casing from 4226' to 4210' of 40 quarts of nitro-glycerin, used 4" shell and Zero Hour Bomb. Dumped 10' of crushed rock on top of shot and 64' of Cal-Seal on top of crushed rock. Shot went off at 9:00 AM 6/26/48. Cleaned out to 4225', then swabbed through 5 1/2" casing 24 hours, 20 barrels of oil and no water / gas too small to gauge.

On June 30, placed shot of 100 quarts of nitro-glycerin in 5 1/2" casing from 4226' to 4210' in 2 - 4" water jacket shells and 60 quarts dumped on top of shells, used Zero Hour Bomb. Dumped 10' of crushed rock on top of shot, then 10 sacks of Cal-Seal (approximately 90') on top of crushed rock. While attempting to break down 4"OD bailer, clamps slipped off, dropping bailer to bottom of hole. Shot went off at 4:05 PM 7/1/48. On July 1, ran in latch jack and fished out top 50' of bailer, then drilled up remainder of bailer in hole and from July 13, to July 24, swabbed and cleaned out after shot to 4225'. On July 24, set Lane-wells bridging plug at 4000' and perforated 5 1/2" casing by Lane-wells from 3971' to 3980' with 63 holes, showed trace of oil and rotary mud. Treated through 5 1/2" casing w/ 1000 gallons of Lowell "AR-16" acid as follows:

ACID TREATMENT NO. 4 - Between 3971' and 3980'

Treatment put in 7/24/48 by Lowell Inc., using 1000 gallons of acid and 96 barrels of oil to fill hole and to flush.

TIME	OP	RE	REMARKS
6:25 AM			1000 gallons of acid in hole
7:10 AM	500		Filled hole with 74 barrels of oil
7:40 AM	650		94 gallons of acid in formation
7:55 AM	700		250 gallons of acid in formation
8:10 AM	700		460 gallons of acid in formation
8:25 AM	750		790 gallons of acid in formation
8:34 AM	750		1000 gallons of acid in formation

Swabbed out oil used in treating, then swabbed through 5 1/2" casing 24 hours, 50 barrels of water and no oil. On July 26, ran 2" tubing and set Baker cement retainer at 3923' and cemented off perforations from 3971' to 3980' with 150 sacks of cement, CP-2400. Pulled tubing and shut down for cement to set.

On July 27, bailed hole dry and 5 1/2" casing tested OK. Drilled cement retainer and cement plug to 3995', then perforated 5 1/2" casing by Lane-wells

with 24 holes from 3895' to 3899', tested 18 hours, 1 1/2 barrels of water and no oil per hour.

On July 31, ran 2" tubing and set Baker cement retainer at 3870', then cemented off perforations from 3895' to 3899' with 200 sacks of cement, WT-3000, pulled tubing and shut down for cement to set.

On August 3, bailed the hole dry and perforated 5 1/2" casing by Lane-ells from 3848' to 3853' with 35 holes, very small show of water, no oil.

On August 4, treated through 5 1/2" casing with 1000 gallons of Devell WAF-18" acid as follows:

ACID TREATMENT NO. 5 - Between 3848' and 3853'

Treatment put in 8/4/48 by Lowell Ind., using 1000 gallons of acid and 70 barrels of oil to fill hole.

TIME	SP	TP	BARRELS
10:55			1000 gallons of acid in hole
11:45	300		Filled hole with 70 barrels of acid
12:00	650		120 gallons of acid in formation
12:05	525		210 gallons of acid in formation
12:10	525		420 gallons of acid in formation
12:15	500		560 gallons of acid in formation
12:20	590		640 gallons of acid in formation
12:24	550		1000 gallons of acid in formation

Swabbed out oil used in treating then swabbed through 5 1/2" casing 15 hours, 6 barrels of water and no oil per hour. On August 5, ran 2" tubing and set Baker cement retainer at 3817' and cemented off perforations from 3848' to 3853' with 200 sacks, WT-3000.

On August 10, bailed the hole dry and drilled cement retainer. Bailed and cleaned out casings to bottom, 12 1/2"-4228', during the next eight days, and on August 21, ran tubing and rods and moved out cable tools 22 to install pumping equipment and tank battery.

ROVAL DEPTH 4316' TO 4228' MIN

Finished installing pumping equipment, and on September 3, ROV 8 hours, 45.24 barrels of oil and no water to establish 24 hour S.O.C. potential of 196 barrels. This potential allows 25 barrels per day.

INDEX TEST DATA

DEPTH	ANGLE OF DEFLECTION
250'	0 Degrees
700'	0 "
1000'	1/2 "
1250'	1/2 "
1500'	1/2 "
1750'	1/2 "
2000'	0 "
2250'	2 "
2500'	1-3/4 "
2730'	1/2 "
3000'	0 "
3420'	3/4 "
3600'	1/2 "
3955'	0 "

ANALYSIS OF WATER

Wells Oil Company Laboratories, El Dorado, Kansas

Sample No. 3-42-7-21

Location: Water Sample 2, Helms "C" Loc., well No. 1, depth taken from 3871' to 3880'. Taken by Floyd Kent, 7/26/48.

Sample received 7/27/48

	Grains Per Gallon	Parts Per Million	Percent by Weight
Chlorides expressed as NaCl	18,200	174,604	17.4604
Chlorides expressed as Cl	6,187.2	105,913	10.5913
Sulphates expressed as CaSO4	76.50	1,309.55	.1309
Sulphates expressed as SO4	53.98	924.01	.0924

Sample No. 3-42-3-1

Location: Water Sample 1, Helms "C" Loc., well No. 1, depth taken from 3895' to 3899'. Taken by Floyd Kent 7/21/48

Sample received 8/4/48

	Grains Per Gallon	Parts Per Million	Percent by Weight
Chlorides expressed as NaCl	6,600	112,979	11.2979
Chlorides expressed Cl	4,003	62,532	6.8532
Sulphates expressed as CaSO4	70.27	1,202.53	.1203
Sulphates expressed as SO4	49.58	848.72	.0849

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ANALYSIS OF WATER

Shelly Oil Company Laboratories, El Dorado, Kansas

Sample No. C-48-8-2

Marked: Water Sample No. 1, Salata "G" Lsa., well No. 1, depth taken 3848' to 3853'. Taken by Floyd Kent 8/5/48

Sample received 8/8/48

	<u>Grains per Gallon</u>	<u>Parts per Million</u>	<u>Percent by Weight</u>
Chlorides expressed as NaCl.	12,000	205,416	20.5416
Chlorides expressed as Cl.	7,279	124,603	12.4603
Sulphates expressed as CaSO ₄	16.25	278.12	.0278
Sulphates expressed as SO ₄	11.46	196.24	.0196

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 HEREIN IS UNCLASSIFIED

Date Commenced: February 12, 1954
 Date Completed: April 1, 1954

Cleaned out to 4229' PB TD-4229'

Production before: 3 barrels of oil and 0.3 barrels water per day
 Production after: POB 3 hours, 5 barrels of oil and 2 barrels of water

On February 12, 1954, moved in cable tools of Flournoy Drilling Company, pulled rods and tubing, and bailed and cleaned out to 4229'. Ran Lane-Wells Gamma Ray Survey. Ran 2" tubing and set Halliburton HM packer at 4155', ran 250 gallons of Halliburton HCA acid, followed by Halliburton Sand-Oil-Frac.

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4213' and 4225' 1/2

Used 4000# of sand
 70 barrels of heavy oil
 Used 147 barrels of light oil to fill and flush
 Maximum TP-3300#, broke to 2800#
 Time 30 minutes

Pulled tubing and packer. Swabbed through 5 1/2" casing 15 hours, 113 barrels of oil used in treating and no water. On February 16, swabbed through 5 1/2" casing 24 hours, 9 barrels of oil and no water. Ran tubing and rods and moved out cable tools, and pumped as follows:

<u>DATE</u>	<u>HOURS PUMPED</u>	<u>BBL. OIL</u>	<u>BBL. WATER</u>	<u>REMARKS</u>
2-18-54	3	2	0	Used in treating
2-19-54	3	6	4	"
2-23-54	6	6	4	SD over weekend Used in treating
2-24-54	8	6	4	"
2-25-54	5	7	4	"
2-26-54	6	7	4	"
3-1 to 5-54				SD over weekend
3-5-54				SD for well servicing unit
3-6-54				Pulled and ran rods
3-7-54				SD over weekend
3-8-54	6	11	7	"
3-9-54	6	11	7	
3-10-54	6	10	7	
3-11-54				SD repairing pump
3-15-54				Pulled and reran rods
3-16-54	6	3	27	
3-17-54	3	0	0	
3-18-54				SD repairing pumping equip.
3-19-54	5	15	15	
3-20-54				SD repairing engine
3-23-54				SD for tank room
3-24-54	8	3	20	
3-25-54	6	5	15	
3-26-54	5	10	3	
3-27-54				SD over weekend
3-28-54				"
3-29-54	8	6	15	
3-30-54	8	7	3	
3-31-54	3	6	2	
4-1-54	3	5	2	

PLUGGED BACK TOTAL DEPTH 4229'

[Handwritten signature]

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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.

Helms "G"
 LEASE _____ WELL NO. 1 DISTRICT Western Kansas
 SEC. 5 T. 270 R. 127 COUNTY Pratt JOB NO. 6259
 SURVEY _____ BLOCK _____ STATE Kansas

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....19.....				Date commenced..... <u>August 1,</u> 19 <u>60</u>			
Date completed.....19.....				Date completed..... <u>August 10,</u> 19 <u>60</u>			
Cleaned out from..... to..... T. D.....				Plugged back or deepened from <u>1220'</u> to <u>0'</u> T.D. <u>P & A</u>			
Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. before.....	<u>1/3</u> bbls. oil.....	<u>5</u> bbls. water.....	<u>1000</u> cu. ft. gas.....
Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....
Kind of tools used:.....				Kind of tools used:.....			
Tools owned by:.....				Tools owned by: <u>Ace Pipe Pulling Co.</u>			

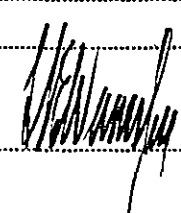
SHOT RECORD

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

CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING		
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed	
<u>5-1/2"</u>	<u>14.8</u>	<u>82</u>		<u>74</u>	<u>2331</u>	<u>0</u>	<u>51</u>	<u>1993</u>	<u>3</u>	<u>55</u>	<u>R2</u>	<u>80</u>	<u>0</u>	

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) As all zones of probable production have been tested and as there are no secondary recovery possibilities, regular authority was granted to plug and abandon the well.

On August 1, 1960, moved in and rigged up pulling machine of Ace Pipe Pulling Company and plugged the well as follows:

Sand 4229' to 4200'

5 sacks of cement 4200' to 4160'

Shot off 5 1/2" casing at 3690', tried to pull casing and casing parted 8 joints from top. Ran 6 jts. of 5 1/2" casing with steel die nipple screwed onto casing and shot off casing at 3592', 3396', and 3192'. Pumped 35 barrels of oil down 5 1/2" casing and pumped plug to 3100', oil circulated behind 5 1/2" casing. Displaced oil behind 5 1/2" casing with 15 barrels of water. Shut down for oil to loosen casing. Circulated oil behind 5 1/2" casing and shot off 5 1/2" casing at 2677' and 2315'. Pulled 75 jts., 2338', of 5 1/2" casing.

Heavy mud 4160' to 310'

Rock 310' to 300'

20 sacks of cement 300' to 240'

Mud 240' to 40'

Rock 40' to 30'

10 sacks of cement 30' to 6'

Surface soil 6' to Surface.

PLUGGED AND ABANDONED 8/10/60.

RECORD OF FORMATIONS

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

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.

LEASE NAME Helmke "G" (Pratt Co., Kans.) WELL NO. 1

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....	July 25, 19 51			Date commenced..... 19		
Date completed.....	August 19, 19 51			Date completed..... 19		
Cleaned out from.....	4216'	to	4228' T.D.	Plugged back or deepened from.....	to	T.D.....	
Prod. before.....	3 bbls. oil	0 bbls. water	-- cu. ft. gas	Prod. before.....	bbls. oil	bbls. water	cu. ft. gas
Prod. after.....	4 bbls. oil	1/2 bbls. water	-- cu. ft. gas	Prod. after.....	bbls. oil	bbls. water	cu. ft. gas
Kind of tools used:.....	Cable			Kind of tools used:.....		
Tools owned by:.....	Flournoy Drig. Co.			Tools owned by:.....		

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			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed

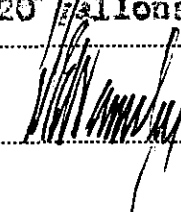
Liner set at..... Length..... Perforated at.....

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

REMARKS (Give review of work accomplished and any other comment of interest) **Moved in and rigged up cable tools of Flournoy Drilling Company on July 25, 1951. pulled rods and tubing and cleaned out from 4216' to 4228'. On July 31, ran 2" tubing and shut down for Hydrafrac trucks.**

On August 2, set Halliburton packer at 4155' and treated with Halliburton Hydrafrac. Used 500g of Gel agent, 20 gallons of breaker agent,

(Use reverse side for continuation of remarks and for formation record).



Superintendent.

REMARKS (Continued) 1400' of sand, and 1500 gallons of kerosene, maximum
TP-2800'.

On August 3, pulled tubing and packer and during next 10 days bailed
and cleaned out after treatment to 4226'.

On August 13, ran 2" tubing and rods. On August 14, POB 22
hours, 23.31 barrels of oil and 5 barrels of water. On August 15,
POB 24 hours, 13.31 barrels of oil and 1 barrel of water. On
August 16, POB 24 hours, 13 barrels of oil and 17 barrels of water.
On August 17, POB 24 hours, 13 barrels of oil and 2 barrels of
water. On August 18, POB 22 hours, 10 barrels of oil and 1 1/2 barrels
of water. On August 19, POB 8 hours, 4 barrels of oil and 1/2

RECORD OF FORMATIONS

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