15-151-10160-0000

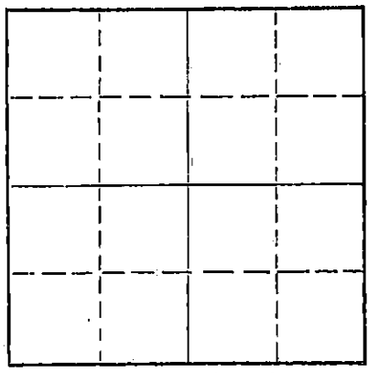
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Pratt County. Sec. 6 Twp. 27S Rge. (E) 12 (W)

Location as "NE/CNW¼SW¼" or footage from lines NW NW NE

Lease Owner Skelly Oil Company

Lease Name Iuka-Carmi-Helmke Unit Well No. 1

Office Address 1860 Lincoln Street, Denver, Colorado

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

Date well completed June 12, 1952

Application for plugging filed August 23, 1972

Application for plugging approved August 28, 1972

Plugging commenced September 7, 1972

Plugging completed September 12, 1972

Reason for abandonment of well or producing formation Depleted well

If a producing well is abandoned, date of last production May 18 1965

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 G. Russell Biberstein

Producing formation Simpson Depth to top 4246 Bottom 4263 Total Depth of Well 4280 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
Simpson	Oil	4246	4263	8-5/8	838'	None
				5-1/2	4316'	2201'

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.

Plugged back from 3792-3700' with sand
3700-3665' with 5 sacks cement
Loaded hole with water. Worked pipe with 19" tension. Shot 5-1/2" casing at 3275-3080', 2946, 2811', 2692', 2570', 2472', 2385' & 2193'. Pulled 76 joints (1792') of 5-1/2" LW Condition "C" & 9 joints 5-1/2" 17# J-55 R-3 Condition "C" casing.
Total casing recovered 85 joints (2201')

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Plugged well as follows:

3665-215' - Mud
215-200' - Rock bridge
200-base of cellar - 3-1/2 yards of Redi-Mix Cement
Base of cellar-GL - Surface soil

Completed P&A 9-12-72.

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

Name of Plugging Contractor Comstock Pipe Pulling Co.

Address Stafford, Kansas

STATE OF Colorado, COUNTY OF Denver, ss.

A. H. Hurley (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) A. H. Hurley

1860 Lincoln Street-Denver, Colorado 80203
(Address)

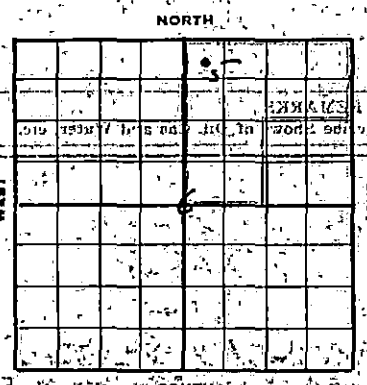
SUBSCRIBED AND SWORN TO before me this 23rd day of October, 19 72

Geraldine Pate
Notary Public.

My commission expires November 4, 1973

Form N47A Rev.

SKELLY OIL COMPANY



Tuka-Carmi-Helmke Unit #1 Well Record

1908'RB
1905'DF
1901'GR

Lease Name and No. Helmke "H" #35411 Well No. 5 Elev.

Lease Description W/2 NE/4 and NE/4 NE/4 Section 6-27S-12W, Pratt County, Kansas

Location made May 26, 19 52 by Floyd Kent

330 feet from North line 330 feet from East line of NE/4 Sec. 6

feet from South line feet from West line of

Work com'd 5/27 19 52 Rig comp'd 5/28 19 52 Drlg. com'd 5/28 19 52 Drlg. comp'd 6/14 19 52

Rig Contractor Chas. Hulme Drilling Contr.

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

Rotary Drilling from 0' to 4280' Cable Tool Drilling from To complete

Commenced Producing July 2, 19 52 Initial Prod. before shot or acid xxxxx Flo. 6 hrs. 168 BO no wtr. Bbls.

Initial Prod. after shot or acid xxxxx Flowed thru 2" tbg. 24/64" choke and BHP bomb 3 hrs. for ind. Bbls.

Dry Gas Well Press. Volume Cu. ft.

Casing Head Gas Pressure productivity 8,499 bbls. Volume Cu. ft.

Braden Head (8-5/8"x5½") Gas Pressure Volume Cu. ft.

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

PRODUCING FORMATION Simpson Sand (Name) Top 4246' Bottom 4263' TOTAL DEPTH 4280' PB 4274'

CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT Jts.	Feet	In.	LEFT IN Jts.	Feet	In.	KIND	Cond'n	CEMENTING Sacks Used	Method Employed
8-5/8"	32#	8R					23	456	5	H1 La	D		
8-5/8"	32#	8R	835'				13	382	7	H1 "	B	450	Halliburton
5-1/2"	17#	8R					68	2514	6	J55 R2 3	23		
5-1/2"	17#	8R	4280'				76	1802	0	H1 La	A	200	Halliburton
(8-5/8" casing set 1' in cellar and 5½" cased to derrick floor)													
(5½" casing perforated from 4246' to 4263' with 68 holes)													
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

Packer Set at Size and Kind

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	6/20/52			
Acid Used Size Shot	Gals. Qts.	Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	4246 Ft. and 4263 Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Halliburton			
Length anchor	Vol. Hydrafrac			
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	3216'						
Douglas Sand	3365'						
Lansing Lime	3706'				3815'	3833'	Spotted oil stain
Mississippi Lime	4032'				3872'	3874'	Good por., spotted stain
Kinderhook Shale	4103'						
Viola Lime	4165'						
Simpson Sand	4240'				4246'	4263'	Good oil saturation

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, sand, and clay	0	355	
Sand and shale	355	735	
Sand and shells	735	790	
Anhydrite	790	815	
Shale and shells	815	835	Set and cemented 8-5/8" OD, 32#, H-2, S.S. (B cond.) casing at 835' with 450 sacks of cement and 4% aquagel. Cement circulated.
Shale	835	900	
Shale and shells	900	1300	
Salt and shells	1300	1430	
Sandy lime	1430	1600	
Shells and shale	1600	1700	
Lime	1700	2055	
Lime and sand	2055	2150	
Lime	2150	2280	
Lime and shale	2280	2540	
Shale	2540	2865	
Lime and shale	2865	3240	
Lime	3240	3655	TOP HEEBNER SHALE 3514'
			TOP DOUGLAS SAND 3565'
Lime and shale	3655	3710	TOP BROWN LIME 3686'
			TOP LANSING LIME 3705'
Lime	3710	3716	
Oolitic lime	3716	3718	Spotted oil stain w/ trace of dead oil
Lime	3718	3721	
Oolitic lime	3721	3723	
Lime	3723	3815	
Thin streaks of fine crystalline lime	3815	3833	Pinhole porosity and spotted oil stain
Lime	3833	3872	
Oolicastic lime	3872	3874	Good porosity, spotted oil stain
Lime	3874	3918	
Fine crystalline lime with fine oolicastic porosity	3918	3922	Fair to spotted oil stain
Lime	3922	4110	TOP MISSISSIPPI LIME 4082'
			TOP KINDERHOOK SAND 4106'
Sand and shale	4110	4140	
Lime and chert	4140	4190	TOP VIOLA LIME 4166'
Lime and shale	4190	4224	TOP SIMPSON SHALE 4213'
Sand and dolomite	4224	4276	

Cored from 4226' to 4260': Recovered 34'

Top 1'6" - Very sandy, porous dolomite with good oil saturation and odor
Next 1' - Streaks of green shale, sandy shale with streaks bleeding oil
Next 3'6" - Coarse crystalline, very cherty dolomite
Next 4'3" - Shaley dolomite, dolomitic shale and sandy shale
Next 3' - Green limey shale
Next 9" - Green shaley dolomite

TOP SIMPSON SAND 4240'

Next 8'6" - Fine grained, slightly shaley sand, bleeding oil and gas
Next 3' - Fine grained, friable sand with good oil saturation
Next 5'6" - Slightly shaley, friable sand with good oil saturation
Next 6' - Medium grained, very friable sand, good oil saturation
Next 2'6" - Medium grained friable sand with thin shale streaks, good oil saturation.
Next 2'6" - Shale with streaks of sand, bleeding oil and gas
Next 1' - Hard sand, good oil saturation
Next 1' - Same, but slightly shaley from 4269½' to 4270'
Next 7'6" - Shale with thin lens of unstained sand, some spots bleeding oil and gas.
Last 2'6" - Shale

Reamed core hole from 4226' to 4260'.

Set and cemented 2514' of 5½" OD, 17#, 8R thd., H-2 &3, J-55, S.S. casing (C cond.); and 1802' of 5½" OD, 17#, 8R thd., E-1, South Chester L.W. steel casing (A cond.) at 4260' with 200 sacks of cement and 4% aquagel. Finished cementing at 2:20 p.m. 6/14/52.

Rigged up cable tools and bailed the hole dry on June 17, and 5½" casing tested OK. Drilled cement plug to 4274' and ran Gamma Ray Survey.

TOTAL DEPTH 4260' PB 4274'

HYDRAFRAC TREATMENT

Date Commenced: February 12, 1958
Date Completed: March 10, 1958

PB TD-4274'

Production Before: 2 barrels of oil and 1/3 barrel of water
Production After: POB 24 hours, 3 barrels of oil and no water

5½" casing perforations open:
Above PB TD: 4246' to 4263' with 66 holes
Below PB TD: None

Producing Formation: Simpson Sand

- - - - - -

On February 12, 1958, rigged up cable tools of W. L. Copeland, pulled rods and 2" tubing. Bailed and cleaned out to 4274'. Bailed 10 hours, 15 gallons of oil and 2 gallons of water per hour. Ran 2" tubing and set Halliburton HM packer at 4210' and ran Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 2 - Between 4246' and 4263'
Used 40000# of sand
3000 gallons of heavy crude oil
155 barrels oil to fill and flush
Maximum TP-5500#, minimum TP-5200#
Time 17 minutes

Pulled 2" tubing and packer. Swabbed through 5½" casing 14 hours, 21 barrels of oil used in treating, no water.

Bailed and cleaned out to bottom, then bailed 2 hours, 1/2 barrel of oil and no water per hour. Ran 2" tubing and rods and POB 16 hours, well did not pump up. Loaded hole with 15 barrels of oil and POB 20 hours, 6 barrels of oil used to load hole and no water.

DATE	HOURS PUMPED	BBLS. OIL	BBLS. WTR.	REMARKS
2/18/58	24	10	0	Used to load hole
2/19/58	24	3	0	"
2/20/58	24	3	0	"
2/21/58	24	3	0	"
2/22/58	24	3	0	"
2/23/58	24	3	0	"
2/24/58	24	3	0	"
2/25/58	24	3	0	"
2/26/58	24	3	0	"
2/27/58	24	3	0	"
2/28/58	24	3	0	"
3/1/58	24	3	0	"
3/2/58	24	3	0	"
3/3/58	24	3	0	"
3/4/58	24	3	0	"
3/5/58	24	3	0	"
3/6/58	24	3	0	"
3/7/58	24	3	0	"
3/8/58	24	3	0	"
3/9/58	24	3	0	"
3/10/58	24	3	0	"

PLUGGED BACK TOTAL DEPTH 4274'

J.J.

On June 19, perforated 5½" casing from 4246' to 4263' with 68 holes by Lane-Wells Kone shots. Well started flowing, flowed through 5½" casing with master gate pinched 8 hours, 168 barrels of oil and no water. On June 20, loaded hole with oil and ran tubing. Set Halliburton HM packer at 4189' and treated with Halliburton Double Hydrafrac from 4246' to 4263' as follows:

HYDRAFRAC TREATMENT NO. 1 - Between 4246' and 4263'

Used 500# of Gel Agent
20 gallons of breaker agent
1500 gallons of kerosene
1600# of sand
Maximum TP-3100#, broke to 1000#
Time 12 minutes

Pulled tubing and packer, bailed and cleaned up hole and ran 2" tubing. Swabbed and flowed out oil used to Hydrafrac, then flowed through 2" tubing with 28/64" choke 11 hours, 335 barrels of oil and no water, CP-650#, TP-320# and shut in for tank room.

On July 2, ran State Corporation Commission bottom hole pressure bomb, SI CP-800#, TP-750#. Flowed through 2" tubing with 24/64" choke and bomb 14½ hours on pretest, 296 barrels of oil and no water. After flowing 6 hours, gas gauged 997 M.C.F. Then flowed through 2" tubing with 24/64" choke and BHP bomb 3 hours, 64.42 barrels of oil and no water, flowing CP-765#, TP-400#, SI BHP-820#, flowing BHP-752#. Average index 7.92 barrels for an indicated productivity of 6,499 barrels to establish maximum S.C.C. potential of 3000 barrels. This potential allows 25 barrels per day for the remainder of July, 1952.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
250'	1/2 Degree
500'	1/2 "
1000'	1/2 "
1250'	0 "
1500'	0 "
1750'	0 "
2000'	0 "
2250'	0 "
2500'	1/2 "
3000'	1/2 "
3250'	1/2 "
3500'	1/2 "
3700'	1/2 "
4000'	1/2 "
4190'	1/2 "

jj

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AUG 28 1972
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Wichita, Kansas

FORM 16-136 (REV. 9/60)

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 Tuke-Cerni-Helmke Unit WELL NO. 1 DISTRICT Platte
SEC. 6 T. 27S R. 12W COUNTY Pratt AFE NO. 59565
BLOCK ____ SURVEY ____ STATE Kansas

TYPE OF WORK TEST SIMPSON DOLOMITE

Date Commenced November 3, 1965 Date completed November 8, 1965
Deepened from ____ to ____ Total Depth ____
Plugged back from 4274' to 4232' P.B.T.D. 4232'
Cleaned out from ____ to ____
Production Before 5 bbls. oil 161 bbls. water -- cu. ft. gas.
Production After Shut Down bbls. oil ____ bbls. water ____ cu. ft. gas.
Tools owned by: Yost Drilling Co. Kind used: Cable No. days rig time: 6
Cost of Job ____ Revised Estimated Payout (Mos.) ____

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TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
11/4/65	Acid	4219'-4226'	250 gals. MCA
11/6/65	Acid	4219'-4223'	250 gals. 7½% MCA

CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD: Sacks Used	CEMENTING RECORD: Top Cem't. Bh'd Csg.	REMARKS
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND	LEFT IN: Jts.	LEFT IN: LTM Feet	LEFT IN: LTM In.	LEFT IN: WTM Feet	LEFT IN: WTM In.	PULLED OUT: Jts.	PULLED OUT: LTM Feet	PULLED OUT: LTM In.	PULLED OUT: WTM Feet	PULLED OUT: WTM In.
5½"			casing perforations open:											
			Above PB TD: 4219'-4223' 4/16 holes											
			Below PB TD: 4246'-4263' 4/68 holes											

PRODUCING FROM

SHUT DOWN (FORMATION) thru OPEN HOLE / PERFORATIONS ____ (TOP) ____ (BOTTOM) Total No. Shots ____

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

November 3, 1965, moved in and rigged up cable tools of Yost Drilling Company and pulled rods and tubing to test Simpson Dolomite. Set Baker cast iron bridge plug at 4238'.

Swabbed 2 hours through 5½" casing, 16 barrels oil and 28 barrels water. Bailed 1 hour, casing tested dry. Plugged back with 1/2 sack of Cal-Seal and 1 gallon of crushed rock from 4238' to 4232'.

PLUGGED BACK TOTAL DEPTH 4232'

PERFORATION JOB NO. 2 - Simpson Dolomite - 4219'-4226'
5½" casing perforated with 3 Series "E" holes per foot by Lane-Wells:

4219'-4226' - 7' - 21 holes

Bailed 2 hours, no oil or water.

TREATMENT NO. 3 - Acid - 4219'-4226'
11/4/65 treated through casing by Howco with 250 gallons of MCA acid, maximum CP-600#, minimum CP-Vac., time 6 minutes, average injection rate 1 barrel per minute, flushed with 105 barrels oil.

Swabbed 2 hours through 5½" casing, 105 barrels load oil and 6 barrels acid water. Swabbed 2 hours through 5½" casing, 44 barrels fresh water with trace acid water.

Ran 2" EUE tubing and set Howco RTTS packer at 4204'. Squeeze cemented off perforations from 4219' to 4226' with 100 sacks of HA-5 cement, maximum pressure 1500#. Circulated out cement from 4204' to 4219'. Pulled 2" tubing and packer.

Drilled out cement from 4219' to 4228'; bailed and cleaned out to 4232'; casing tested dry.

PERFORATION JOB NO. 3 - Simpson Dolomite - 4219'-4223'
5½" casing perforated with 4 Series "E" holes per foot by Lane-Wells:

4219'-4223' - 4' - 16 holes

TREATMENT NO. 4 - Acid - 4219'-4223'

11/6/65 treated through casing by Howco with 250 gallons of 7½% MCA acid, maximum CP-1400#, minimum CP-1000#, time 2 hours, average injection rate 2 gallons per minute, flushed with 112 barrels lease oil.

Swabbed 3 hours through 5½" casing, 112 barrels load oil and 6 barrels acid water. Swabbed 6 hours through 5½" casing, 110 barrels fresh water with trace acid water. Moved out cable tools November 8, 1965.

As the secondary recovery program has flooded out the Simpson Sand and the Simpson Dolomite test was unsuccessful, regular authority was granted to Shut Down the well pending future developments.

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