15-151-10163-0000 Sec

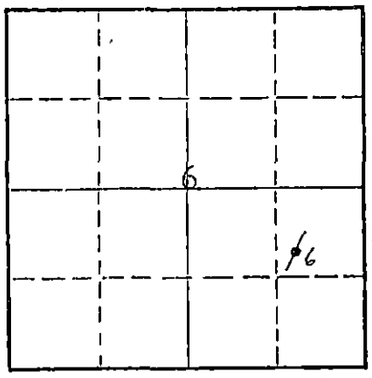
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Form CP-4

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

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

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

Lease Owner Skelly Oil Company

Lease Name Helmke "J" Well No. 6

Office Address 1860 Lincoln Street, Denver, Colorado

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

Date well completed January 17, 19 52

Application for plugging filed June 21, 19 67

Application for plugging approved June 23, 19 67

Plugging commenced September 28, 19 67

Plugging completed October 3, 19 67

Reason for abandonment of well or producing formation Depleted

If a producing well is abandoned, date of last production Shut Down 2/1 19 61

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. A. Elving

Producing formation Viola Lime Depth to top 4085' Bottom 4207' Total Depth of Well 4277 Feet

Show depth and thickness of all water, oil and gas formations. PB 4214'

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Viola Lime	Oil	4085'	4207'	8-5/8"	457'	None
					4317'9"	3047'

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	4212' to 4025'
12 sacks of cement	4025' to 3905'
Mud laden fluid	3905' to 300'
Rock bridge	300' to 290'
25 sacks of cement	290' to 215'
Mud laden fluid	215' to 40'
Rock bridge	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

RECEIVED
STATE CORPORATION COMMISSION
OCT 24 1967
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Ralph Comstock Pipe Pulling, Inc.

Address 320 North Park, Stafford, Kansas 67578

STATE OF Colorado, COUNTY OF Denver, ss.

Leland Franz (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) Leland Franz

1860 Lincoln St., Denver, Colo.
(Address)

SUBSCRIBED AND SWORN TO before me this 20th day of October, 19 67

Mary E. Lubing
Notary Public.

My commission expires My Commission expires June 17, 1970

jj

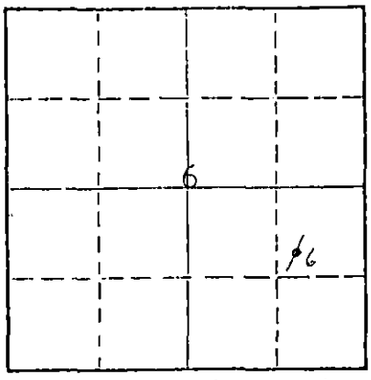
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Form CP-4

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 SW/4 NE/4 SE/4

Lease Owner Skelly Oil Company

Lease Name Helmke "J" Well No. 6

Office Address 1860 Lincoln Street, Denver, Colorado

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

Date well completed January 17, 1952

Application for plugging filed June 21, 1967

Application for plugging approved June 23, 1967

Plugging commenced September 28, 1967

Plugging completed October 3, 1967

Reason for abandonment of well or producing formation Depleted

If a producing well is abandoned, date of last production Shut Down 2/1 1961

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. A. Elving

Producing formation Viola Lime Depth to top 4085' Bottom 4207' Total Depth of Well 4277 Feet

Show depth and thickness of all water, oil and gas formations. PB 4214'

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Viola Lime	Oil	4085'	4207'	8-5/8"	457'	None
					4317'9"	3047'

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	4212' to 4025'
12 sacks of cement	4025' to 3905'
Mud laden fluid	3905' to 300'
Rock bridge	300' to 290'
25 sacks of cement	290' to 215'
Mud laden fluid	215' to 40'
Rock bridge	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

RECEIVED
STATE CORPORATION COMMISSION
OCT 24 1967
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Ralph Comstock Pipe Pulling, Inc.

Address 320 North Park, Stafford, Kansas 67578

STATE OF Colorado, COUNTY OF Denver, ss.

Leland Franz (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) Leland Franz

1860 Lincoln St., Denver, Colo.
(Address)

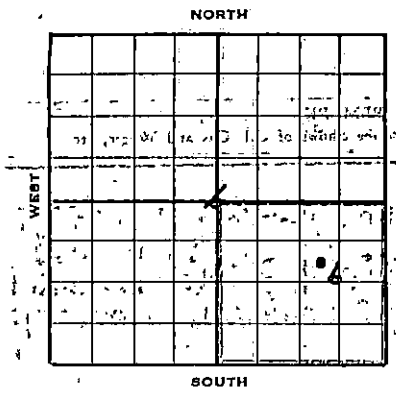
SUBSCRIBED AND SWORN TO before me this 20th day of October, 1967

Mary E. [illegible]
Notary Public.

My commission expires My Commission expires June 17, 1970

jj

Form N47A Rev.



SKELLY OIL COMPANY

Well Record

1893'RB
1890'DF
1885'BR

Lease Name and No. Helmke "J" #41420 Well No. 6 Elev.

Lease Description SE/4 of Section 6-27S-12W, Pratt County, Kansas (160 Acres)

Location made October 23, 1951 by J. B. Gibbs

990 feet from North line 990 feet from East line } SE/4 of Sec. 6

feet from South line feet from West line

Work com'd 10/24 1951 Rig comp'd 10/25 1951 Drlg. com'd 10/25 1951 Drlg. comp'd 11/16 1951

Rig Contractor Chas. Hulme Drilling Company

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

Rotary Drilling from 0' to 4277' Cable Tool Drilling from To Complete to

Commenced Producing January 17, 1952 { Initial Prod. before shot or acid 1 qt. oil no wtr/hr. Bbls.
Initial Prod. after shot or acid POB 24 hrs. 73 BO no wtr Bbls.

Dry Gas Well Press. Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (8-5/8"x4½"OD) Gas Pressure Volume Cu. ft.

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

PRODUCING FORMATION Viola Lime (Name) Top 4182' Bottom 4195' TOTAL DEPTH 4277' PB 4214'

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	PE	460'				11	457	0	R3 SS	C	250	Halliburton
4-1/2"	15.2	8R	4277'				163	4317	9	G-D&E			
										R2 S.S.	A	250	Halliburton

(8-5/8" OD casing set 3' in cellar and 4½" cased to derrick floor)

(4½" casing perforated from 4182'-95' with 52 Lane-Wells Kone shots)

Liner Set at Length Perforated at

Liner Set at Length Perforated at

Packer Set at Size and Kind

Packer Set at Size and Kind

HYDRAFRAC, SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	12/4/51	12/11/51	12/22/51	
Acid Used Size Shot	Gals. Qts.	Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	4257 Ft. and 4263 Ft.	4257 Ft. and 4263 Ft.	4222½ Ft. and 4229 Ft.	Ft. and Ft.
Size of Shell				For remaining
Put in by (Co.)	Halliburton	Halliburton	Halliburton	treatments
Length anchor	Hydrafrac	Hydrafrac	Hydrafrac	see remarks
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	3512'						
Douglas Sand	3564'						
Brown Lime	3679'						
Lansing Lime	3693'						
Mississippi Lime	4076'						
Kinderhook Shale	4097'						
Viola Lime	4120'				4182'	4195'	Traces brown stain
Simpson Shale	4206'						
Simpson Dolomite	4222'						
Simpson Sand	4235'						

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						" " " " "
						" " " " "

RECEIVED
STATE CORPORATION COMMISSION
JAN 28 1967
CONSERVATION DIVISION
Wichita, Kansas

(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 and sand	0	170	
Red bed and shale	170	460	Set and cemented 8-5/8" OD, 24#, R-3, P.E., S.S. casing (6 cond.) at 460' with 250 sacks of cement and 10 sacks of aquagel. Cement circulated
Shale and red bed	460	555	
Shale and shells	555	1075	
Salt and shale	1075	1290	
Shale	1290	1400	
Salt	1400	1465	
Shale and shells	1465	1675	
Lime	1675	2480	
Lime and shale	2480	2900	
Lime	2900	2960	
Lime and shale	2960	3130	
Lime	3130	3415	
Lime and sand	3415	3460	
Lime	3460	3630	TOP WALSHER SHALE 3512'
Sand and shale	3630	3695	TOP DOUGLAS SAND 3564' TOP BROWN LIME 3679' TOP LANSING LIME 3693'
Lime	3695	3815	
Fine crystalline lime	3815	3819	Fine oolicastic porosity, dark oil stain and dead oil
Lime	3819	3822	
Fine crystalline lime	3822	3827	Dark oil stain and dead oil
Lime	3827	3859	
Oolicastic lime	3859	3864	Good porosity, good brown oil stain, good odor
Lime	3864	3891	
Oolicastic lime	3891	3897	Brown oil stain and traces dead oil
Lime	3897	3905	
Fine crystalline lime	3905	3914	Fine oolicastic porosity with dark oil stain
Lime	3914	4080	TOP MISSISSIPPI LIME 4076'
Lime and chert	4080	4145	TOP KINDERHOOK SHALE 4097'
Shale and chert	4145	4165	TOP VIOLA LIME 4120'
Chert	4165	4182	
Opaque and weathered chert	4182	4195	Vuggy porosity with black tarry stain and traces of brown stain, good odor in wet samples.
Chert and shale	4195	4215	TOP SIMPSON SHALE 4206'
Lime and shale	4215	4220	TOP SIMPSON DOLOMITE 4222'

CORED from 4220' to 4277' - Recovered 57'

Top 2½' - Sandy dolomite and shaley dolomite
Next 2' - Coarse crystalline dolomite, bleeding oil
Next 2½' - Cherty, fragmented dolomite
Next 4½' - Dense dolomitic lime and sandy dolomite
Next ½' - Black shale
Next 1' - Very sandy and dolomitic shale, few spots bleeding oil
Next 1' - Black shale
Next 1' - Grey, sandy shale, few spots bleeding oil

TOP SIMPSON SAND 4235'

Next 5½' - Fine grained sand, good light oil stain
Next 3' - Sand with streak of sandy shale, bleeding oil
Next 1' - Sand with good oil stain, spots bleeding oil
Next 11½' - Streaks of sand and shale, bleeding oil
Next 12' - Streaks of sandy shale, shale and sand, bleeding oil
Next 4' - Shale with thin streaks of sand, very few spots bleeding oil
Last 5' - Shale with traces of sandy shale, very few scattered spots bleeding oil

Reamed core hole to bottom

Set and cemented 4½" OD, 15.2#, 8R thd., R-2, Grade D & S, S.S. casing (4 cond.) at 4277' with 250 sacks of cement and 10 sacks of aquagel. Finished cementing at 6:55 a.m. 11/17/51.

Rigged up cable tools and bailed the hole dry on November 28. On December 2, drilled cement plug and cleaned out to 4277' SLM. Tried to run Lane-Wells Gamma Ray Survey and instrument stopped at 3170'.

On December 3, perforated 4½" casing from 4257' to 4263' with 24 holes by Lane-Wells jet perforator. Bailed and tested 10 hours, no shows of oil or gas. On December 4, ran 2" tubing and set Baker packer at 4193' and ran Halliburton Hydrafrac from 4257' to 4263' as follows:

APR 28 1961
RECEIVED

HYDRAFRAC TREATMENT NO. 1 - Between 4257' and 4263'

Used 500# of jellying agent
20 gallons of breaker agent
1400# of sand
1500 gallons of kerosene
Maximum TP-5800# and broke to 2800#

On December 5, swabbed through 2" tubing 16 hours, 66 barrels of oil (used to Hydrafrac). On December 6, swabbed through 2" tubing 8 hours, 10 barrels of oil, used to Hydrafrac, and 10 barrels of water. On December 6, cemented off perforations from 4257' to 4263' with 100 sacks of cement, maximum TP-3500#. Pulled tubing and retainer and shut down for cement to set.

On December 9, bailed the hole dry, drilled cement plug and cleaned out to 4253', 4½" casing and cement job tested OK. Loaded hole with 200' of water and perforated 4½" casing from 4248' to 4235' with 52 Lane-Wells Kone shots. Bailed and tested 10 hours, 1/2 gallon of fresh water with scum of oil per hour.

On December 11, ran 2" tubing and set Baker packer at 4187' and ran Halliburton Hydrafrac from 4235' to 4246' as follows:

HYDRAFRAC TREATMENT NO. 2 - Between ~~4257'~~ 4235' and ~~4263'~~ 4248'

Used 500# of jellying agent
20 gallons of breaker agent
1600# of sand
1500 gallons of kerosene
Maximum TP-3200# and broke to 1300#

On December 12, swabbed through 2" tubing 15 hours, 87 barrels of oil (used to Hydrafrac). On December 13, swabbed through tubing 20 hours, 15.03 barrels of oil (used to Hydrafrac) and 25.08 barrels of water. On December 14, swabbed through 2" tubing 12 hours, 29 barrels of water and no oil. On December 15, swabbed through 2" tubing 24 hours, 5 barrels of oil (used to Hydrafrac) and 28.80 barrels of water. On December 16, swabbed through tubing 24 hours, 1½ barrels of oil (used to Hydrafrac) and 22½ barrels of water.

On December 17, cemented off perforations from 4235' to 4248' through 2" tubing with 150 sacks of cement, maximum TP-3500#. Pulled tubing and packer and shut down for cement to set.

On December 19, bailed the hole dry and drilled cement plug and cleaned out to 4232', cement job tested OK. Loaded hole with 200' of water and perforated 4½" casing from 4222½' to 4229' with 26 Lane-Wells Kone shots, no shows. Bailed hole dry, then bailed and tested 17 hours, recovered no fluid. Ran 2" tubing and set Baker retainer at 4160' and ran Halliburton Hydrafrac from 4222½' to 4229' as follows:

HYDRAFRAC TREATMENT NO. 3 - Between 4222½' to 4229'

Used 500# of jellying agent
1200# of sand
1500 gallons of kerosene
1000 gallons of 15% acid
Maximum TP-4000# and broke to 1800#

On December 23, swabbed through 2" tubing 6 hours, 50 barrels of oil (used to Hydrafrac). On December 26, swabbed through 2" tubing 22 hours, 1 barrel of oil (used to Hydrafrac) and 1/4 barrel of water per hour. On December 27, swabbed through 2" tubing 24 hours, 20 barrels of oil (used to Hydrafrac) and 2½ barrels of water. On December 28, pulled 2" tubing and retainer, bailed and cleaned up hole. On December 29, ran 2" tubing and treated with 3000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 4222½' and 4229'

Treatment put in 12/29/51 by Halliburton, using 3000 gallons of acid and 63 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:35 am			Filled hole with oil
11:50 am			Started acid
12:02 pm	400#	0#	Acid on bottom
12:10 pm	1400#	200#	200 gallons of acid in
12:25 pm	1400#	800#	1200 gallons of acid in
12:40 pm	1100#	850#	2200 gallons of acid in, start flush
12:50 pm	1000#	850#	3000 gallons of acid in

After treatment flowed out oil used in treating, then swabbed through 2" tubing 12 hours, 10 barrels of oil and 16 barrels of acid water. On December 30, swabbed through 2" tubing 24 hours, 1/2 barrel of oil and 26.29 barrels of water. On December 31, swabbed through 2" tubing 24 hours, 3/4 barrel of oil and 12 barrels of water. On January 1, 1952, swabbed through 2" tubing 24 hours, 11 barrels of water and no oil. On January 2, pulled 2" tubing and reran tubing, set Baker cement retainer at 4167' and cemented off perforations in 4½" casing from 4222½' to 4229' with 300 sacks of cement, maximum TP-3600#. Pulled tubing and retainer and shut down for cement to set.

On January 5, bailed the hole dry and 4½" casing tested dry. Drilled cement plug and cleaned out to 4214'.

TOTAL DEPTH PB 4214'

Perforated 4½" casing from 4182' to 4195' with 52 Lane-Wells Kone shots. Bailed and tested 10 hours, 1 quart of oil and no water per hour. On January 7, ran 2" tubing and set Baker retainer at 4130' and ran Halliburton Hydrafrac treatment as follows:

HYDRAFRAC TREATMENT NO. 4 - Between 4182' and 4195'

Used 100 gallons of acid
1200# of sand
500# of jellying agent
20 gallons of breaker agent
1500 gallons of kerosene
136 barrels of oil to load hole and flush tubing
Maximum TP-3000#, broke to 1000#

On January 9, swabbed through 2" tubing 18 hours, 69 barrels of oil (used to Hydrafrac) and 5 barrels of water. On January 10, swabbed through 2" tubing 24 hours, 20 barrels of oil and 8 barrels of water (oil used to Hydrafrac). On January 11, swabbed through 2" tubing 24 hours, 17 barrels of oil and 3 barrels of water (oil used to Hydrafrac). On January 12, swabbed through 2" tubing 24 hours, 18 barrels of oil and 3 barrels of water. On January 13, swabbed through tubing 24 hours, 19 barrels of oil and 6 barrels of water. On January 14, pulled 2" tubing and Baker retainer. Reran tubing and rods and on January 17, POB 24 hours on State Corporation Commission physical potential test, 73 barrels of oil and no water. Allowable 25 barrels per day.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
500'	0 Degrees
750'	0 "
1000'	0 "
1250'	0 "
1500'	0 "
1750'	1 "
2000'	1 "
2250'	0 "
2500'	1 "
2750'	1 "
3000'	1 "
3250'	1 "
3500'	1 "
3750'	1/2 "
4000'	1 "

- - -

WATER ANALYSIS

Pawhuska Research Laboratory
Sample Serial No. 5675 Analysis No. 2552
Sample of water taken from depth of 4257'-4263'

Date Received: 12/10/51
Analysis Completed: 12/11/51

	PPM
Chlorides as Cl.	68,200
Sulfates as SO_4.	1,050
Chlorides as NaCl. . . .	112,500
Sulfates as $CaSO_4$. . . .	1,500

RECEIVED
STATE CORPORATION COMMISSION
JUN 28 1967
CONSERVATION DIVISION
Wichita, Kansas

PLUGGING BACK RECORD

Date Commenced: March 20, 1956
Date Completed: May 2, 1956

Plugged back from 4214' to 4212' PB TD-4212'

Production Before: 3 barrels of oil and 9 barrels of water
Production After: 7 barrels of oil and 7 barrels of water

4½" casing perforations open: 4085'-4095' with 61 holes, 4125'-4146' with 142 holes, 4153'-4166' with 78 holes, 4172½'-4178' with 32 holes, 4182'-95' with 52 holes, 4195'-4207' with 72 holes.

- - - - - Producing Formations: Viola Lime

Moved in and rigged up cable tools of W. L. Copeland Drilling Company on March 20, 1956. Pulled rods and tubing and bailed and cleaned up hole. Ran Gamma Ray Neutron Survey and set Baker bridging plug at 4179'. Bailed hole dry and perforated 4½" casing from 4172½' to 4178' with 32 holes by Lane-Wells; bailed and tested 4 hours, no recovery. Ran 2" tubing and set Baker packer at 4160'. Treated with 250 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 2 - Between 4172½' and 4178'

Treatment put in 3/22/56 by Halliburton, using 250 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
6:20 pm			Start acid
6:35 pm			Start flush
6:36 pm		300#	Acid on bottom
6:54 pm		1500#	Treatment completed

Swabbed through 2" tubing 10 hours, 15 barrels of oil used in treating and no water. Ran Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4172½' and 4178'

Used 2500# of sand
36 barrels of heavy oil
93 barrels of regular crude to fill and flush
Maximum TP-2600#
Time 20 minutes

Swabbed through 2" tubing 14 hours, 34 barrels of oil used in treating and no water. On March 24, swabbed through 2" tubing 5 hours, 39 barrels of oil used to load hole. Pulled 2" tubing and retainer. Set Baker bridging plug at 4169', bailed hole dry, and 4½" casing tested dry. Plugged back from 4169' to 4167' with 1/4 sack of Cal-Seal.

Perforated 4½" casing from 4153' to 4166' with 78 holes by Lane-Wells; bailed and tested 4 hours, no recovery. Ran 2" tubing and set Baker retainer at 4140'. Treated through 2" tubing with 500 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 3 - Between 4153' and 4166'

Treatment put in 3/25/56 by Halliburton, using 500 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
11:48 am			Start acid
11:52 am			Start flush
11:54 am		250#	Acid on bottom
12:05 pm		1000#	210 gallons of acid in
12:13 pm		1350#	290 gallons of acid in
12:27 pm		1500#	500 gallons of acid in
12:32 pm		1250#	Finished flush

Swabbed through 2" tubing 18 hours, 20 barrels of oil used in treating and 12 barrels of acid water. Ran Halliburton Sand-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 2 - Between 4153' and 4166'

Used 2500# of sand
18 barrels of heavy oil
71 barrels of light oil to fill and flush
Maximum TP-3000#, minimum TP-2600#
Time 28 minutes

Swabbed through 2" tubing 12 hours, 35 barrels of oil used in treating. Pulled 2" tubing and packer. Set Baker bridging plug at 4149' and bailed the hole dry, 4½" casing tested dry. Plugged back from 4149' to 4147' with 2 gallons of Cal-Seal.

Perforated 4½" casing from 4142' to 4146' with 16 holes by Velex; bailed and tested 7 hours, 1/2 barrel of oil and 4 barrels of water. Perforated 4½" casing from 4125' to 4146' with 126 holes by Velex. Bailed and cleaned out hole, ran 2" tubing, and set Baker retainer at 4110'. Swabbed through 2" tubing 12 hours, 3 barrels of oil and no water. Treated through 2" tubing with 250 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 4 - Between 4125' and 4146'

Treatment put in 3/29/56 by Halliburton, using 250 gallons of acid.

TIME	CP	TP	REMARKS
11:00 am			Start acid
11:05 am		2600	Acid on bottom
11:07 am		2900	Treatment completed

RECEIVED
STATE CORPORATION COMMISSION
JUN 28 1967
CONSERVATION DIVISION
Wichita, Kansas

SAND-OIL-FRAC TREATMENT NO. 3 - Between 4125' and 4146'

Used 2500# of sand
1500 gallons of heavy oil
50 barrels oil to fill and flush
Maximum TP-4200#, minimum TP-3000#
Time 25 minutes

Swabbed through 2" tubing 14 hours, 30 barrels of oil used in treating and no water. Pulled 2" tubing and Baker retainer and bailed the hole clean. Ran 2" tubing open end to 4115' and treated with Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 4 - Between 4125' and 4146'

Used 6000# of sand
3000 gallons of heavy oil
160 barrels of oil to fill hole and flush
Maximum TP-4000#, minimum TP-3600#
Time 18 minutes

Swabbed through 2" tubing 7 hours, 84 barrels of treating oil and no water. March 31, swabbed through 2" tubing 24 hours, 49 barrels of oil used in treating and no water. On April 1, swabbed through 2" tubing 24 hours, 17 barrels of oil used in treating and no water. On April 2, swabbed through 2" tubing 2 hours, 2 barrels of oil used in treating and no water. Pulled 2" tubing and bailed the hole clean. Set Baker bridging plug at 4110', bailed the hole dry and 4½" casing tested dry. Plugged back from 4110' to 4105' with 2 gallons of rock and 2 gallons of Cal-Seal.

Perforated 4½" casing liner from 4085' to 4095' with 61 holes by Lane-Wells; bailed and tested 2 hours, no recovery. Ran 2" tubing open end to 4095' and treated through 2" tubing with 250 gallons of Halliburton MSA acid as follows:

ACID TREATMENT NO. 5 - Between 4085' and 4095'

Treatment put in 4/3/56 by Halliburton, using 250 gallons of acid and 70 barrels of oil.

TIME	CP	TP	REMARKS
12:09 am			Start acid
12:12 am		300#	Start flush
12:19 am		1000#	Acid on bottom
12:25 am		800#	106 gallons of acid in
12:30 am		700#	250 gallons of acid in
12:32 am		700#	Finished flush

Swabbed through 2" tubing 5 hours, 51 barrels of oil used in treating and no water. Pulled 2" tubing and drilled up bridging plug at 4110' and cleaned out to 4149', and lost tools in the hole. Fished for tools from April 5 to April 18, on which date recovered tools.

Drilled up bridging plugs at 4149', 4169', and 4179', and bailed and cleaned out to 4212'. Perforated 4½" casing from 4195' to 4207' with 72 holes by Lane-Wells. Ran 2" tubing to 4200', then swabbed through 2" tubing 11 hours, 31 barrels of oil and 2 barrels of water. Ran Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 5 - Between 4195' and 4207'

Used 2500# of sand
1500 gallons of heavy oil
145 barrels oil to fill and flush
Maximum TP-3000#, minimum TP-2000#
Time 17 minutes

Swabbed through 2" tubing 12 hours, 111 barrels of oil used in treating and 6 barrels of water. Pulled 2" tubing and bailed the hole clean. Ran 2" tubing and rods and POB 10 hours, well did not pump up. On April 25, POB 24 hours, 50 barrels of oil and 75 barrels of water. On April 26, POB 24 hours, 15 barrels of oil and 22 barrels of water. On April 27, POB 24 hours, 10 barrels of oil and 10 barrels of water. On April 28, POB 24 hours, 10 barrels of oil and 10 barrels of water. On April 29, POB 24 hours, 10 barrels of oil and 10 barrels of water. On April 30, POB 24 hours, 10 barrels of oil and 10 barrels of water. On May 1, POB 24 hours, 7 barrels of oil and 7 barrels of water. On May 2, POB 24 hours, 7 barrels of oil and 7 barrels of water.

PLUGGED BACK TOTAL DEPTH 4212'

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 Helske B,JM
SEC. 6 T. 27S R. 12W
BLOCK ____ SURVEY ____

WELL NO. 6 DISTRICT Rocky Mountain
COUNTY Pratt AFE NO 22737
STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced September 28, 1967 Date completed October 3, 1967
Deepened from ____ to ____ Total Depth ____
Plugged back from 4212' to Surface P.B.T.D. ____
Cleaned out from ____ to ____
Production before ____ bbls. oil ____ bbls. water ____ cu. ft. gas.
Production after Shut Down bbls. oil Inc. bbls. water ____ cu. ft. gas.
Tools owned by Ralph Comstock Pipe Pulling, Inc. Kind used; Pulling Unit No. days rig time; Cont.
Cost of Job $ ____ Revised Estimated Payout (Mos.) ____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

CHANGES IN CASING RECORD

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

SIZE OD	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.
4-1/2"	9.2	8R	R2 SS	E & B	47	1260	0	1270	0	116	3022	0	3047	0

PRODUCING FROM

____ FORMATION thru OPEN HOLE / PERFORATIONS ____ TOP ____ BOTTOM Total No. Shots ____

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

As the well was Shut Down February 1, 1961, when it became uneconomical to operate, and as there are no further zones considered worthy of testing, and it cannot be utilized in a waterflood program, regular authority was granted to plug and abandon it.

On September 28, 1967, moved in and rigged up machine of Ralph Comstock Pipe Pulling, Inc. and plugged the well as follows:

Sand	4212' to 4025'
12 sacks of cement	4025' to 3905'

Shot 4½"OD casing at 3146' and 3023'. Pulled 116 joints (3047.25') of 4½" casing.

Mud laden fluid	3905' to 300'
Rock bridge	300' to 290'
25 sacks of cement	290' to 215'
Mud laden fluid	215' to 40'
Rock bridge	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

Plugged and abandoned October 3, 1967.

JJ