

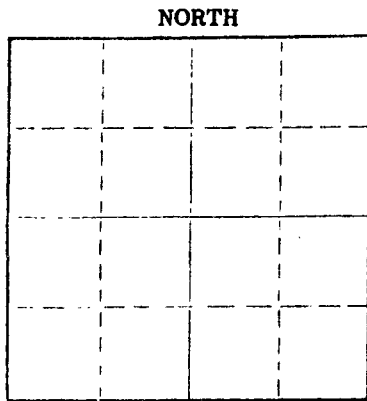
15-007-01120-00-00

Rec'd - 11-10-1975

STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
P. O. BOX 17027
WICHITA, KANSAS 67217

FORM CP-4

WELL PLUGGING RECORD



Locate well correctly on above Section Plot

Barber County, Sec 11 Twp 32 Rge 10 (E) (W)
Location as "NE/CNW/SE" or footage from lines NE SW NE
Lease Owner Mobil Oil Corporation
Lease Name Hrancher Well No. 1
Office Address Great Bend, Kansas 67530
Character of Well (completed as Oil, Gas or Dry Hole)
Date well completed 19
Application for plugging filed 19
Application for plugging approved 19
Plugging commenced 11/28/75 19
Plugging completed 12/2/75 19
Reason for abandonment of well or producing formation depleted.

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 Biberstein
Producing formation Depth to top Bottom Total Depth of Well 4485
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
				9 5/8	238	none
				5 1/2"	4484	3233'

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 for each plug set.

Sanded to 4350' and dumped 5 sacks cement. Loaded hole, shot pipe at 3283', pulled 80 joints. Set rock bridge from 240 to 230' and dumped 4 yards ready mix.

PLUGGING COMPLETE.

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

Name of Plugging Contractor KELSO CASING PULLING
Address CHASE, KANSAS

STATE OF KANSAS COUNTY OF RICE, ss.

R. DARRELL KELSO (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) R. Darrell Kelso
CHASE, KANSAS
(Address)

SUBSCRIBED AND SWORN TO before me this 4th day of December, 1975

My commission expires
NOTARY PUBLIC
MARGARET MELCHER
Rice County, Ks.
My Comm. Exp. Feb. 15, 1979

Margaret Melcher
Notary Public.

(8-54)
MAGNOLIA PETROLEUM COMPANY
WELL RECORD

X-1316

15-007-01120-00-00

NICHOLAS
HRENCHIR UNIT

Lease Name **HRENCHIR UNIT**
 Well No. **1**
 Field **NW Sharon**
 District **Chase**

Permit No. _____
 Serial No. _____
 Completed as **Single**
Gas Well
 (TYPE OF WELL)

Parish County **Barber County** State **Kansas** State Reg. District **Great Bend, Kansas**

Block Section **11** Lot Township **32S** Unit Range **10W** Distance From Nearest Town **2 mi E 2-1/2 mi W of Sharon, Kansas**

Location of Well: **NE SW NE: 330' FNL, 330' FEL of NE/4**

DATE SUMMARY	Date	Work Performed By	Remarks
Location Staked	12-22-56	L. C. Case, MCo. Civil Engineer	
Level Location	1-1-57	Bass Drilg Co., Dallas, Texas	
Commenced Erecting Derrick	1-2-57	" " " " " "	
Completed Erecting Derrick	1-3-57	" " " " " "	
Commenced Rigging Up	1-3-57	" " " " " "	
Initial Rigging Up Completed	1-3-57	" " " " " "	
Commenced Drilling (Spud Date)	1-1-57	" " " " " "	@ 4:15 P. M.
Completed Drilling (Total Depth)	1-16-57	" " " " " "	
Moved In Cable Tools	None	" " " " " "	
Oil String Casing Set @ 4484' (5-1/2")	1-18-57	" " " " " "	
Plug Back (Final) @ 4456'	1-20-57	" " " " " "	
Perforations (Final) 4380-4405'	1-20-57	McCullough Tool Co.	w/100 jet holes.
Completed Subsurface Installations (Final)	1-19-57	Bass Drilg Co.	Run 2" tbg
Completed Well Head Installations (Final)	1-24-57	Supervised by Mr. J. H. Ledbetter,	Don R. Hinderliter
Commenced Bringing in (Final)	1-25-57	MCo. Production Foreman	cs:hd w/2 2" outlets
Well Cleaned (Final)	1-27-57		2000# work press,
Commenced Abandonment			4000# test.
Completed Abandonment	Company Completion Date 1-22-57 (Frac)		

Insert the first work started, as; Build Road, Build Board Road and Turn around, Dig Canal, Clear and/or Grade Location, Lay fuel and Water Lines, Dig Slush Pit, Build Rig Foundation, or, Install Drilling Foundation.

NO. DAYS WATER USED **Furn by Contractor** : SOURCE **Hauled**

NO. DAYS FUEL USED **Furn by Contractor** : KIND **Dutane** : SOURCE **Hauled**

Measuring Point Will Be **DF 1538'** Ground Kelly Bushing Kelly Bushing to Surface Csg.

Kelly Drive Bushing. **1540'** Elevation **1531** To Gr. Elev. **9'** Surface Csg. Flg. **11'** Flange Elev. **1529'**

Transfer No. In: **4515-4516** **CASING, TUBING, & * CEMENTING RECORD** Transfer No. Out: **4615**

Size	Weight	Collars & Threads	Kind	Rge	Jts.	Total Feet Less Threads			Total No. Scratchers and Where Placed	Total No. Centralizers and Where Placed
						Put In	Pulled	Left In		
9-5/8"	25.4#	SJ Armaco Spiral Weld Csg		3	6	227	None	227	None	
5-1/2"	14.0#	8RT Csg	J-55 SS	3	111	4473	None	4473	8 - 4380 to 4420'	4 - 4480; 4436 4378; 4353
5-1/2"	14.0#	8RT Csg	J-55 SS	2	1					
4-1/2"	4.7#	8RT Tbg	J-55 SS	2	149	4300	None	4300		

9-5/8" Csg set @ 238' w/250 sx cmnt circulated 1-5-57
 5-1/2" Csg set @ 4484' w/200 sx Pozmix "A" 1-18-57

11-10-1975

SECTION NO. 1 - PRODUCTION TESTS AND POTENTIAL TEST DATA:

Dry Gas Well Completion.

Gas Dept. Test taken 1-28-57. SI Press: Tbg 1506#, Csg 1523#. Calc BHP 1695#, Calc Op Flow 30,629 MCF. 1st GV 1508 MCF, TP 1479#, CP 1510#, 2 hrs. 2nd GV 2636 MCF, TP 1428#, CP 1495#, 2 hrs. 3rd GV 3684 MCF, TP 1350#, CP 1477#, 2 hrs. 4th GV 5113 MCF, TP 1258#, CP 1455#, 2 hrs. Flowed 12 DD in 8 hrs.

* Following each string of casing, and using the full width of the sheet, give complete cementing record as follows: Where landed, Amount and kind of cement, Amount and kind of Additives, Stages of Cementing, Cement Tops, Slurry weight per Gal. and WOC Hours.

Give the balance of Well Record by Sections, in the order listed below, carefully following instructions in the Field Manual for each section. Use the reverse side of this sheet and subsequent sheets on Form X-6727 As needed.

- | | |
|---|--|
| Section 1- Production Tests and Potential Test Data | Section 7- Core Record |
| Section 2- Formation Summary | Section 8- Bit Record |
| Section 3- Depth Measurements | Section 9- Acidizing or Other Completion Operation |
| Section 4- Drill Stem Tests | Section 10- Summary of Operations |
| Section 5- Perforating and Squeeze Record | Section 11- Formation Record |
| Section 6- Surveys Performed | Section 12- Plugging & Abandonment Record |

SECTION NO. 2 - FORMATION SUMMARY: Data taken from X-1892

FORMATION	FROM	TO	DST	ELEC LOG	GR-N LOG	REMARKS
Surf Sand	0	9				
Red Bed & Sand Rock	9	172				
Red Bed Shale	172	239				
Shale	239	553				
Lime-Shale	553	1533				
Lime, Anhy & Shale	1553	1659				
Lime-Anhy	1659	1831				
Lime, Anhy, Shale	1831	2028				
Lime & Shale	2028	3187				
Lime, Shale & Sand	3187	3722				
Lime & Shale	3722	4151				
Lime	4151	4187				
Lime-Shale	4187	4410	#1			
Lime, Shale & Miss Chat	4410	4445				
Chert-Miss Chat	4445	4485				
						GR, GR-N, McCullough Gamma Ray 4200-4455.5
						GR, GR-N, Schlum Gamma Ray Neutron 3100-4482
						GR, GR-N, Schlum Induction Log 236-4482
Rotary Total Depth		4485				
Oil String Set @		4484				
Plug Back Depth		4456				

SECTION NO. 3 - DEPTH MEASUREMENTS:

	DRILLERS DEPTH	STEEL LINE	#GR-N LOG *ELEC LOG	KELLY BUSHING TO FLANGE 11"	SURFACE FLANGE DEPTH (*)
Drillers Depth	4485	4485	# G/R Log		4474
Casing Seat (Surf)	238	238			227
Casing Seat (Oil)	4484	4484			4473
Plug Back Depth	4456	4456			4445
Rotary Total Depth	4485	4485			4474
Perforations	4380-4405	4380-4405			4369-4394

Collars or Radium markers as shown on McCullough Gamma Ray Log.

(*) Indicates correct measurement from Surface Casing Flange as permanent datum.

SECTION NO. 4 - DRILL STEM TESTS: Data taken from Morning Report & Sv Co Reports

No.	Date	From	To	Kind of Test	Tool @	Top Ck	Btm Ck	Time	Results
1	1-16-57	4388	4410	Op Hole	4388	5/8"	1"	1 hrs.	Gas to surf in 1 min, 5 mins 7120 MCF, 20 mins 8535. Stab. 1 hr 8535 MCF. Rec 4° condensate. IFP 722#, FFP 831#. SI 20 mins DHP 1601#, HR 2428#, SFP 200#.

SECTION NO. 5 - PERFORATING AND SQUEEZE RECORD: Data taken from Morning Report & Sv Co Reports

PERFORATING RECORD

No.	From	To	No. Shots	Size	Kind	PB @	Drig Plug to	DST	Date
1	4380	4405	100	-	Jet	4456	-	#1	1-20-57

SQUEEZE RECORD: None

SECTION NO. 6 - SURVEYS PERFORMED:

No.	Kind	From	To
1	Schlumberger Induction Log	236'	4482'
1	McCullough G/R Log	4200'	4455.5'
1	Schlumberger Gamma Ray-Neutron Log	3100'	4482'

TOTCO DEVIATION SURVEY

DEPTH OFF VERTICAL

100	1/2 degree
720	3/4 degree
1130	3/4 degree
1601	1-1/4 degree
1780	2 degree
1911	2 degree

NO DIRECTIONAL SURVEY - VERTICAL HOLE

AVERAGE HOLE DIAMETER 7-7/8"

SECTION No. 6 - SURVEYS PERFORMED:

TOTCO DEVIATION SURVEY (Continued)

DEPTH	OFF VERTICAL
1936	1-3/4 degree
2035	1-1/4 degree
2220	1 degree
2318	1-1/4 degree
2440	1 degree
2720	1 degree
3065	1-1/4 degree
3440	1-1/2 degree
3760	1 degree
3940	3/4 degree
3970	3/4 degree

SECTION No. 7 - CORE RECORD: No Cores were taken on this well.

SECTION NO. 8 - BIT RECORD: Data taken from X-1892

No. Used	Size	Kind	From	To
1	13-3/4	Rockbit	0	239
12	7-7/8	Rockbit	239	4485

SECTION NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATIONS: Data taken from Morning Report

- 1-20-57 - Acidize perms w/250 gals MCA thru 2" tbg @ 4300'. Max press 2200#, min 1400#, final 1500#. Rate 1/4 BPM. Overflush w/2 bbls. 5 mins SI 1000#.
- 1-22-57 - Visofrac perms 4380-4405' w/25,000# sd + 25,000 gals lse oil thru 5-1/2" csg w/2" tbg @ 4300'. Break w/oil @ 2800#. Rate 2 1/2 BPM - 30 BO. Max press 3000#, min 2900#, final 2900#. Rate 2 1/2 BPM. Overflush w/50 BO. 5 mins SI 1250#.

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report

(1) Drilling and Exploratory Operations Performed:

- 1- 4-57 - Spudded @ 4:30 P. M.
- 1- 5-57 - Set 9-5/8" Csg @ 238' w/250 sx cement circ.
- 1-13-57 - Changed to oil emulsion mud @ 3800'.
- 1-16-57 - DST #1 (Miss.) 4388-4410', op 1 hr, 5/8 x 1" Ck, gas to surf in 1 min, 5 mins 7120 MCF, 20 mins 8535 MCF. Stab. 1 hr. 8535 MCF. Rec 4' condensate. IFP 722#, FFP 831#, SI 20 mins BHP 1601#. HH 2428#. SFP 200#.

(2) COMPLETION OPERATIONS PERFORMED:

- 1-17-57 - Run Schlumberger Elec. Logs.
- 1-18-57 - 5-1/2" Csg set @ 4484' w/200 sx Pozmix "A".
- 1-20-57 - Ran McCullough G/R Logs. Run 2" tbg to 4300'. Perforate 4380-4405' w/100 jet shots. Acidize perforations w/250 gals MCA thru 2" tbg @ 4300'. Max press 2200#, min 1400#, final 1500#. Rate 1/4 BPM. Overflush w/2 bbls. 5 mins SI 1000#.
- 1-22-57 - Visofrac perms 4380-4405' w/25,000# sd + 25,000 gals lse oil thru 5-1/2" csg w/2" tbg @ 4300'. Break w/oil @ 2800#. Rate 2 1/2 BPM - 30 BO. Max press 3000#, min 2900#, final 2900#. Rate 2 1/2 BPM. Overflush w/50 bbls. 5 mins SI 1250#.
- 1-28-57 - Nat. Gas Dept. Test (See section No. 1 for Test Data).

SECTION No. 11 - FORMATION RECORD: Data taken from Geological Letter

FORMATION	DEPTH	SUB-SEA	SOURCE
Heebner Shale	3502	-1964	Samples JWB
Douglas Group	3558	-2020	"
Douglas Sand	3636	-2098	"
Lansing-Kansas City	3693	-2155	"
Basal Penn. Sd.	4378	-2840	"
Mississippi "Chat"	4382	-2844	"
Rotary Total Depth	4485		Drlr
Plug Back Depth	4456		"

SECTION NO. 11 - FORMATION RECORD: Data taken from Geological Letter (Continued)

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUB-SEA</u>	<u>SOURCE</u>
Heebner Shale	3497	-1959	Schlum.
Douglas Group	3552	-2014	"
Douglas Sand	3632	-2094	"
Lansing-Kansas City	3689	-2151	"
Basal Penn. Sd	4370	-2832	"
Mississippi "Chat"	4376	-2838	"
Maximum Depth Reached	4383		

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