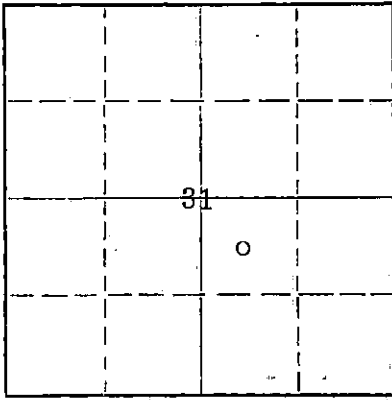


WELL PLUGGING RECORD

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

NORTH



Locate well correctly on above Section Plat

Pratt County, Sec. 31 Twp. 29S Rge. (E) 14 (W)
Location as "NE/CNW/SW" or footage from lines C-NW-SE
Lease Owner Graybol Oil Corp.
Lease Name Howell Well No. 1
Office Address 608 NBT Bldg., Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed October 20 19 63
Application for plugging filed July 23 19 70
Application for plugging approved July 24 19 70
Plugging commenced July 31 19 70
Plugging completed August 17 19 70
Reason for abandonment of well or producing formation depleted

If a producing well is abandoned, date of last production June 19 19 70
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. G. R. Biberstein
Producing formation Cherokee Conglomerate Depth to top 4544 Bottom 4572 Total Depth of Well 4744 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Table with 7 columns: FORMATION, CONTENT, FROM, TO, SIZE, PUT IN, PULLED OUT. Row 1: Cherokee Conglomerate, oil, 4544, 4570, 8 5/8", 342, 0. Row 2: 4 1/2", 4640, 2270.

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.

Made bottom hole plug with sand from 4633 to 4520' and ran 3 sacks cement thru dump bailer from 4520 to 4490'. Shot pipe at 3997, 2513, 2438, 2270 ft. Pulled 70 jts. 4 1/2" casing.
Rock bridge at 270' used 5 yards ready mix to fill from 270' to cellar.

RECEIVED
STATE CORPORATION COMMISSION
SEP 30 1970 9-30-70
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Pawnee Drilling Co.
Address P. O. Box 783, Great Bend, Kansas 67530

STATE OF Kansas, COUNTY OF Barton, ss.
Clayton Walker (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) Clayton Walker
Clayton Walker
Box 783, Great Bend, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 22nd day of September, 19 70



Theora Holleman
Notary Public.

FILE COPY

GRAYBOL OIL CORPORATION

No. 1 Howell

Contractor: Company Tools

Commenced: October 1, 1963

Production: Not yet tested

RECEIVED
STATE CORPORATION COMMISSION
OCT 24 1970
CONSERVATION DIVISION
Wichita, Kansas

Pratt County, Kansas

Ctr. NW SE Section 31-19S-14W

Elev: 2005' D.F., 1999' C.L.

Completed: October 20, 1963

CASING RECORD

Set 5 5/8" Casing @ 342' with 190 sacks pozzix cement.
Set 4 1/2" Casing @ 4640' with 75 sacks pozzix cement.

7 3/4" hole

<u>DEPTH</u>	<u>FORMATION</u>	<u>WELAX ELECTRIC LOG TOPS:</u>
0-200	Surface Clay and Sand	Stone Corral Anhydrite 850 (+1153)
200-400	Red Bed	Heebner shale 3867 (-1862)
400-580	Red Bed and Shells	Toronto Limestone 3884 (-1872)
580-854	Gyp and Red beds	Douglas Shale 3904 (-1872)
854-1163	Anhydrite and shale	Brown lime 4049 (-2044)
1163-1185	Shale	Lansing Limestone 4060 (-2055)
1185-1871	Shale, Gyp and Sand	Base of Kansas City 4457 (-2453)
1871-1980	Shale and Anhydrite Shells	Marmaton Limestone 4470 (-2465)
1980-2000	Lime with Shale streaks	Cherokee Conglomerate 4543 (-2538)
2000-2431	Lime	Viola formation 4589 (-2584)
2431-2500	Lime and Shale	Simpson Shale 4634 (-2629)
2500-2580	Sandy Lime	Simpson Sand 4657 (-2652)
2580-2800	Lime and Shale	Arbuckle dolomite 4710 (-2705)
2800-2870	Shale	Welax total depth 4744
2870-3225	Lime and Shale	
3225-3673	Lime	Drill stem test no. 1 4545-4570
3673-3852	Lime and Shale	Open 1 1/2 hours. Gas to surface
3852-3955	Shale and Lime	in 8 minutes, flowed oil in 75
3955-4048	Sand, Shale and Lime	minutes. Recovered 3130' live
4048-4638	Lime	oil, calculated 43° gravity, 120'
4638-4658	Sand and Shale	gas-cut mud, 300' gas-cut maddy
4658-4699	Lime and Sand	water. IBHP 1620/30 minutes,
4699-4716	Sand	FBHP 1552/30 minutes, IFF 217#,
4716-4740	Lime	FFP 1307#, BHT 116°.
4740	Driller's total depth	

I hereby certify that the above is a true and correct log

of the above-captioned well as taken directly from the daily drilling reports.

GRAYBOL OIL CORPORATION

By: Lyman C. Dennis
Lyman C. Dennis, Geologist

STATE OF OKLAHOMA

COUNTY OF TULSA

Subscribed and sworn to this 14th day of October

My Commission expires: October 2, 1967

James C. Miller
NOTARY PUBLIC

FILE COPY