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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

HOBBS OFFICE O. C. C.

MISCELLANEOUS REPORTS ON WELLS

JUL 27 7 30 AM '64

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company	Address
Skelly Oil Company	Box 730 - Hobbs, New Mexico

Lease	Well No.	Unit Letter	Section	Township	Range
State "O" *	13	"P"	31	16-S	37-E

Date Work Performed	Pool	County
4-14-64 - 4-29-64	Lovington Paddock	Lea

THIS IS A REPORT OF: *(Check appropriate block)*

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other *(Explain)*:

☐ Plugging ☐ Remedial Work **Convert to Salt Water Disposal Well.**

Detailed account of work done, nature and quantity of materials used, and results obtained.

*** This well will be known as Skelly Oil Company's Abo Salt Water Disposal System No. 1.**

Moved in & rigged up pulling unit. Pulled rods & tubing. Ran Welex Gamma Log from 3200' - 4500'. Found top of good cement bond behind 5-1/2" OD casing at 3765', with cement stringers from 3790 - 3765'. Ran Welex Gamma Ray Collar Log from 3450' - 3950'. Set Halliburton "DC" bridge plug at 5400'. Dumped 1 sack cement on top of bridge plug filling 5-1/2" OD casing from 5392' - 5400'. Perforated 5-1/2" OD casing at 3700' with 4 jet shots. Ran Halliburton "DH" cement retainer & set at 3638'. Cemented 5-1/2" OD casing thru casing perforations at 3700' with 200 sacks regular cement. WOC 10 hours. Squeezed 5-1/2" OD casing perforations 3700' with 50 sacks regular cement. WOC 24 hours. Drilled out Halliburton "DH" cement retainer at 3638'. Drilled cement from 3641' - 3700'.

Ran Welex Gamma Log 3200 - 3950' which indicated firm cement behind 5-1/2" OD casing. Perforated 5-1/2" OD casing 3775 - 3795' & 3860 - 3895' with 4 jet shots per foot for a total of 220 shots & 55'. Ran tubing & set Guiberson L-30 packer at 3600' with hydraulic hold down set at 3598'. **(See reverse side)**

Witnessed by	Position	Company
Mr. B. L. Malley	Area Foreman	Skelly Oil Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS *ONLY*

ORIGINAL WELL DATA

D F Elev.	T D	PBTD	Producing Interval	Completion Date
3839' DF	12,251'	11,015'	10,536-10,968'	2-1-53

Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
2"	10,198'	5-1/2"	11,044'

Perforated Interval(s)	
10,536 - 10,968'	
Open Hole Interval	Producing Formation(s)
---	Pennsylvanian

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover	Salt Water Disposal Well.					

OIL CONSERVATION COMMISSION

Approved by

Title

Date

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name (ORIGINAL SIGNED) H. E. Aab

Position District Supt.

Company Skelly Oil Company

Treated through 5-1/2" OD casing perforations 3775 - 3895' (Intervals) with 500 gallons Western 15% spearhead acid.

Pulled tubing, L-90 packer & hydraulic hold down. Ran Halliburton "DC" cement retainer & set at 3697'. Squeezed 5-1/2" OD casing perforations 3775 - 3895' (Intervals) with 100 sacks regular cement. WOC 6 hours. Squeezed 5-1/2" OD casing perforations 3775 - 3895' (Intervals) with 100 sacks cement with 16-1/2 lbs. salt per sack. Squeezed 5-1/2" OD casing perforations 3775 - 3895' (Intervals) with 100 sacks cement & 16 lbs. salt per sack. WOC 24 hours.

Drilled out Halliburton "DC" cement retainer at 3697'. Drilled out cement to 3895'. Pressured up to 1500 psi. & had no pressure loss on casing.

Drilled on Halliburton cement retainer at 5400' & pushed down hole to 6269' to top of Hydromatic plug below Paddock perforations.

Ran Halliburton "RTTS" packer & set at 5908'. Squeezed 5-1/2" OD casing perforations 6112 - 6254' with 100 sacks regular cement. WOC. Drilled out cement inside 5-1/2" OD casing from 5980 - 6260'. Drilled out Hydromite from 6269' to 6298'. Drilled out Baker model "K" bridge plug at 6298'. Circulated hole to 11,015'.

Ran Halliburton cast iron bridge plug & set at 10,300'. Dumped 1 sack regular cement on top of bridge plug which filled hole to 10,290'. PBTD 10,290'. Tested casing & bridge plug with 1600 psi. with no pressure loss. Perforated 5-1/2" OD casing from 10,210 - 10,260' with 4 shots per foot for a total of 50' & 200 shots.

Ran Halliburton "RTTS" packer & set at 10,075'. Acidized by Western down 2-1/2" tubing with 500 gallons mud acid. Spotted acid over perforations 10,210 - 10,260', let soak 1-1/2 hours, pressured up on formation & formation broke at 4800 psi., flushed acid with water. Raised packer & set at 10,011'. Treated through 5-1/2" OD casing perforations 10,210 - 10,260' with 5,000 gallons regular X-15 acid & 250 ball sealers.

Hooked up water injection line & tested well for water intake on vacuum. In 12 hours well took 32 bbls. water.

Ran 2-7/8" OD Internally coated with coal tar Epoxy tubing with 2" X 5-1/2" Type "AF" Guiberson tension packer with 2-3/8" X 4' tubing sub with 2" EUE X 2-1/2" collar on top of packer. Loaded casing annulus with 165 bbls. water treated with 20 gallons Aquaness' #640 chemical. Pumped annulus capacity & set packer with 16,000# tension at 10,170'.

Surface injection equipment will be installed.