

## WEEKLY DRILLING REPORT

Shell Oil Company (COMPANY)			LEASE <u>State A</u> WELL <u>1</u>	
FROM <u>9-12</u> TO <u>9-19</u> 19 <u>57</u>			DISTRICT <u>Eschels</u> S.E.V. _____	
			COUNTY <u>Lea</u> STATE <u>New Mexico</u>	
WELL DATA				
DATE	DEPTH		FORMATION (FROM SAMPLES)	REMARKS
	FROM	TO		
9-12	TD	11,749'	Dolomite	OPERATION - TO TEST RECEPTIVITY OF WELL TO SALT WATER DISPOSAL  Rigged up unit and ran 206 joints (6313') of 2½" 8r tubing. Displaced mud with fresh water. Cemented mud with fresh water. Cemented Portland cement from 6313' to approximately 6000'. Pulled 50 joints tubing, now pulling remaining tubing.
	PBTD	11,692'		
9-13	PBTD	11,692'	Dolomite	Finished pulling 2-7/8" O.D. tubing. Have rerun some tubing with Guiberson Hookwall packer.
9-14 thru 9-16	PBTD	11,692'	Dolomite	Went in hole with tubing and packer. Found top of cement @ 5543'. 8-5/8" x2½" Guiberson Hookwall Packer spacer to set @ 3683'. Circulated fresh water from hole with salt water. Spotted 4000 gallons MCA across formation from 4247'-5535'. Let acid soak for 15 minutes, then treated with 2000 psi @ 4.5 barrels per minute, final pressure 2000 psi, pressure dropped to 1000 psi after 14 minutes shut in, then to vacuum after 3 hours. Set packer and swabbed 360 barrels salt water and acid in 18 hours. Swabbing fluid level 2000'. Shut down 12 hours, went in hole and found fluid level 1300'. Injected salt water down tubing from 500 barrel tank @ rate: 11 bbl. 1st 15 min.; 8 bbl. 2nd 15 min.; 6 bbl. next 30 min.; Total 25 bbl. per hour. Now preparing to acidize with 10,000 gallons of 15% acid and recheck injection.
9-17	PBTD	11,692'	Dolomite	Picked up 2½" tubing and released Guiberson packer. Then out 4'x2½" perforations below well head flange and acidized with 5 pumps with 10,000 gallons 15% regular acid. Maximum pressure <sup>1500</sup> 1500 psi, final pressure 1000 psi, rate 17.9 barrels per minute. Flushed acid with 350 barrels of salt water. Pressure dropped to 600 psi in 10 minutes, then bled pressure from well. Tied salt water into tubing and injected 12 BW in 1 hour. Now pulling 2½" tubing, will recheck injection rate for 48 hours.
9-18	PBTD	11,692'	Dolomite	Finished pulling 2½" tubing. Released pulling unit. Tied well into 500 barrel tank. Well took 360 barrels salt water in less than 18 hours. Will increase surface salt water volume today, for further tests.
9-19	PBTD	11,692'	Dolomite	Gravitated 220 barrels salt water thru 3 4" lines, from 3 500 barrel tanks, in 14 hours.

Checked by J. H. [Signature]  
Mechanical

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Division Mechanical Engineer