Welex

COMPENSATED ACOUSTIC VELOCITY LOG

COMPANY Bridwell Oil Company
WELL New Mexico "8" State # 3
FIELD Flying "M"
County Lea State N.M.

COMPANY BRIDWELL OIL COMPANY

WELL NEW MEXICO "8" STATE # 3

FIELD FLYING "M"

COUNTY LEA STATE NEW MEXICO

Location
1980' FNL & 1980' FWL
Sec. 8 Twp 9-S Rge 33-E

Other Services:

Permanent Datum Ground Level Elev. 4390'
Log Measured From K. B. - 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elev.: K.B. 4400'
D.F. 4399'
G.L. 4390'

Date	10/25/72			
Run No.	- One -			
Depth—Driller	4535			
Depth—Welex	4535			
Btm. Log Inter.	4529			
Top Log Inter.	Surface			
Casing—Driller	8-5/8" @ 373	@	@	@
Casing—Welex				
Bit Size	7-7/8"			
Type Fluid in Hole	Mud			
Dens. | Visc.	10.9 | 35	|	|	|
pH | Fluid Loss	| ml	| ml	| ml	| ml
Source of Sample	Circulated			
R_m @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
R_{mf} @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
R_{mc} @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	|	|	|	|
R_m @ BHT	@ °F	@ °F	@ °F	@ °F
Time Since Circ.				
Max. Rec. Temp.	°F @	°F @	°F @	°F @
Equip.| Location	3444 | Hobbs	|	|	|
Recorded By	B.H. Stroud			
Witnessed By	Mr. Denney			

Bridwell Oil Company
Application for Disposal Permit
State 8 #3
Lea County

Table of Wells Within ½ Mile

Operator	Well Name	Location	Date Drilled	Total Depth	Status	Casing	Perforations & Treatment
Bridwell Oil Co.	State 7 #1	7-9S-33E	March, 1973	4,480'	Active Oil	8.625" @ 372' / 4.5" @ 4,480'	4,396' - 4,450' 6,000 gal acid
	State 8 #1	8-9S-33E	July, 1972	4,527'	Active Oil	8.625" @ 373' / 4.5" @ 4,527'	4,426' - 4,484' 11,000 gal acid
	State 8 #2	8-9S-33E	August, 1972	4,550'	Plugged	8.625" @ 360' / 4.5" @ 4,550'	4,434' - 4,448' 500 gal acid
	State 8 #3	8-9S-33E	October, 1972	4,535'	Active Oil	8.625" @ 373' / 4.5" @ 4,535'	4,424' - 4,464' 11,000 gal acid
Penroc Oil Co.	State 8 #1	8-9S-33E	October, 1972	4,600'	Active Oil	8.625" @ 362' / 4.5" @ 4,600'	4,410' - 4,450' 6,000 gal acid
	State 8 #2	8-9S-33E	April, 1974	4,500'	Active Oil	8.625" @ 800' / 4.5" @ 4,500'	4,385' - 4,425' 130 sks sand
	State 8 #3	8-9S-33E	June, 1975	4,512'	Active Oil	8.625" @ 364' / 5.5" @ 4,508'	4,396' - 4,434' 11,000 gal acid

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Table of Wells Within ½ Mile

Operator	Well Name	Surface Casing	Cement Volume	Top of Cement	Production Casing	Cement Volume	Top of Cement
Bridwell Oil Company	State 7 #1	8.625" @ 372'	275 sacks	ground	4.5" @ 4,480'	250 sacks	3,400'
	State 8 #1	8.625" @ 373'	275 sacks	ground	4.5" @ 4,527'	250 sacks	3,700'
	State 8 #2	8.625" @ 360'	275 sacks	ground	4.5" @ 4,550'	250 sacks	3,850'
	State 8 #3	8.625" @ 373'	250 sacks	ground	4.5" @ 4,535'	250 sacks	3,750'
Penroc Oil Company	State 8 #1	8.625" @ 362'	225 sacks	ground	4.5" @ 4,600'	350 sacks	3,550'
	State 8 #2	8.625" @ 800'	600 sacks	ground	4.5" @ 4,500'	250 sacks	3,700'
	State 8 #3	8.625" @ 364'	225 sacks	ground	5.5" @ 4,508'	425 sacks	3,250'

Note: Cement tops for the production casing were calculated based on the caliper logs run in the Bridwell wells. For the Penroc wells, the hole characteristics of the Bridwell wells were assumed to be consistent. The assumptions made to calculate cement tops for the Penroc wells were 9.5" hole from total depth to 3,600', then a 12" thereafter to the cement top. These average hole sizes were observed in each of the Bridwell wells.