

COUNTY	LEA	FIELD	Wildcat	STATE	NM 30-025-23115
OPR	HARDING BROS. OIL & GAS CO.			MAP	
	1 Cities Service-Helbing et al				
	Sec 21, T-16-S, R-38-E			CO-ORD	
	2085' FSL, 2085' FEL of Sec.				
	Spd 4-20-69				
	Cmp 6-29-69			CLASS	EL 3728E
CSG & SX . TUBING	FORMATION	DATUM	FORMATION	DATUM	
13 3/8" at 329' w/380 SX					
8 5/8" at 4298' w/350 SX					
4 1/2" at 8687' w/300 SX					
LOGS EL GR RA IND HC A					
	TD 8687'				

IP (Abo) Perfs 8492-8633' P 40 BOPD. Pot based on 24 hr test,
GOR 150, Grav 37.5

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ONT. Ard Drlg. Co. PROP DEPTH 9100' TYPE
ATE

F.R. 4-22-69
PD 9100' (Abo)
Contractor - Ard Drlg. Co.
4-30-69 Drlg. 5335'
5-7-69 Drlg. 7495'
Cored 5515-67', rec 52' dolo, w/good stain,
w/fair poro & vert fracs 5515-19', good bldg
oil from 5526-28', fair bldg oil from 5545-46',
sli bldg oil, fracs & vugs from 5552-55', fair
bldg oil from hair line fracs 5555-56', sli to
fair bldg oil from vugs & hair line fracs from
5558-63'
-12-69 Drlg. 8480'
-19-69 TD 8687' (Carr); WOC
DST 8539-85', open 2 hrs, rec 450' GTDP, 360'
O&GCM, 45 min ISIP 258#, FP 86-172#, 2 hr FSIP
474#

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HARDING BROS. OIL & GAS CO. #1 Cities Service-Helbing et al

5-19-69 Continued
DST 8587-8672', open 2 hrs, rec 257' GCM, 120'
O&GCM, 45 min ISIP 2873#, FP 385-749#, 2 hr FSIP
2661#
5-26-69 TD 8687'; Drlg cmt
6-2-69 TD 8687'; Prep frac
Perf @ 8492', 8533½', 8539', 8580½', 8583',
8607', 8609', 8633' w/1 SPI
Acid (8492-8633') 500 gals
Swbd 6 BFPH (75% oil) (8492-8633')
Acid (8492-8633') 2500 gals
PB @ 8450'
Perf (San Andres) @ 5390', 5429', 5461', 5464',
5468', 5515', 5518', 5520', 5600', 5612', 5619'

6-2-69 Continued
Acid (5390-5619') 1500 gals
Swbd 6 BFPH (40% oil) (5390-5619')
6-9-69 TD 8687'; Swbg
Frac (5390-5619') 4000 gals & sd
Swbd 30 BFPH (LW & salt wtr), NS
6-16-69 TD 8687'; TO Pmp
Swbd 100% salt wtr (5390-5619')
6-23-69 TD 8687'; Rep pmp
6-30-69 TD 8687'; TO Pmp
Ppd 15 BO + 200 BW in 24 hrs
7-7-69 TD 8687'; TO Pmp
Ppd 200 BF (10-15% oil) in 24 hrs (5390-5619')
7-14-69 TD 8687'; Prep drill cmt
Sqzd 5390-5619' w/275 sx
7-21-69 TD 8687'; TO Pmp
Perf @ 5386', 5392', 5412', 5414', 5426',

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7-21-69 Continued
5430', 5447' w/1 SPI
Ppd 25-30 BOPD & wtr
7-28-69 TD 8687'; Swbg
Ppd 100% wtr (5386-5447')
Sqzd 5386-5447'
Perf @ 5461', 5464', 5468', 5470', 5485',
8-4-69 TD 8687'; TO Pmp
Ppd 150 BF in 24 hrs
8-11-69 TD 8687'; TO Pmp
8-18-69 TD 8687'; TO Pmp
Ppd 6 BO in 12 hrs (5461-85')
1-25-69 TD 8687'; SD Pmp Rep

9-3-69 TD 8687'; TO Pmp
Ppd 5-6 BO in 24 hrs
9-8-69 TD 8687'; COMPLETE
Perfs (San Andres) 5461-85', Packed off
LOG TOPS: Anhydrite 1665', Yates 3115', San
Andres 4175', Tubb 6335', Abo 7840'
9-11-69 COMPLETION REPORTED