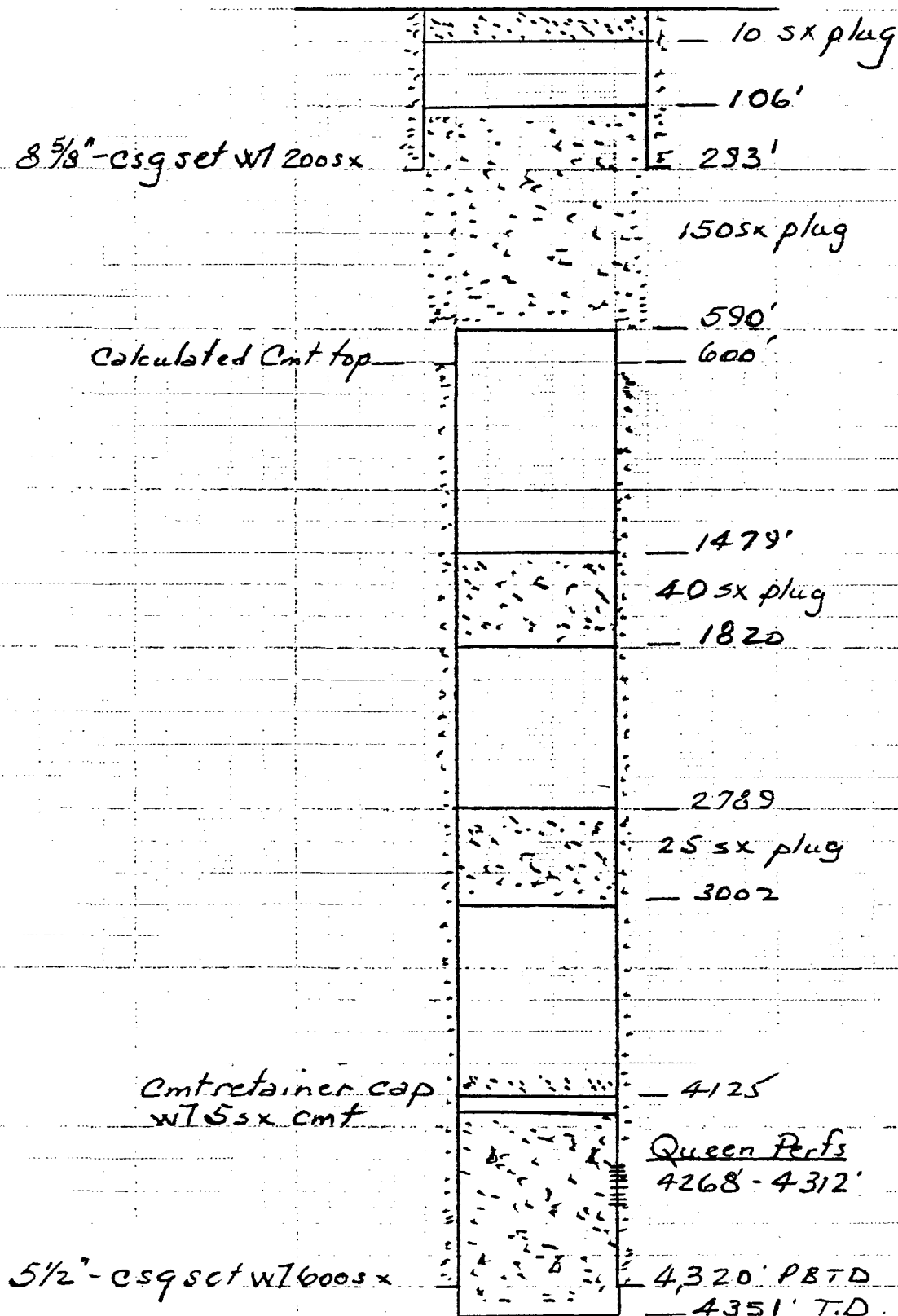


E-K Queen Unit Well No. 1-7
Lea County, New Mexico

Well Identification - I 14, 185, 33E

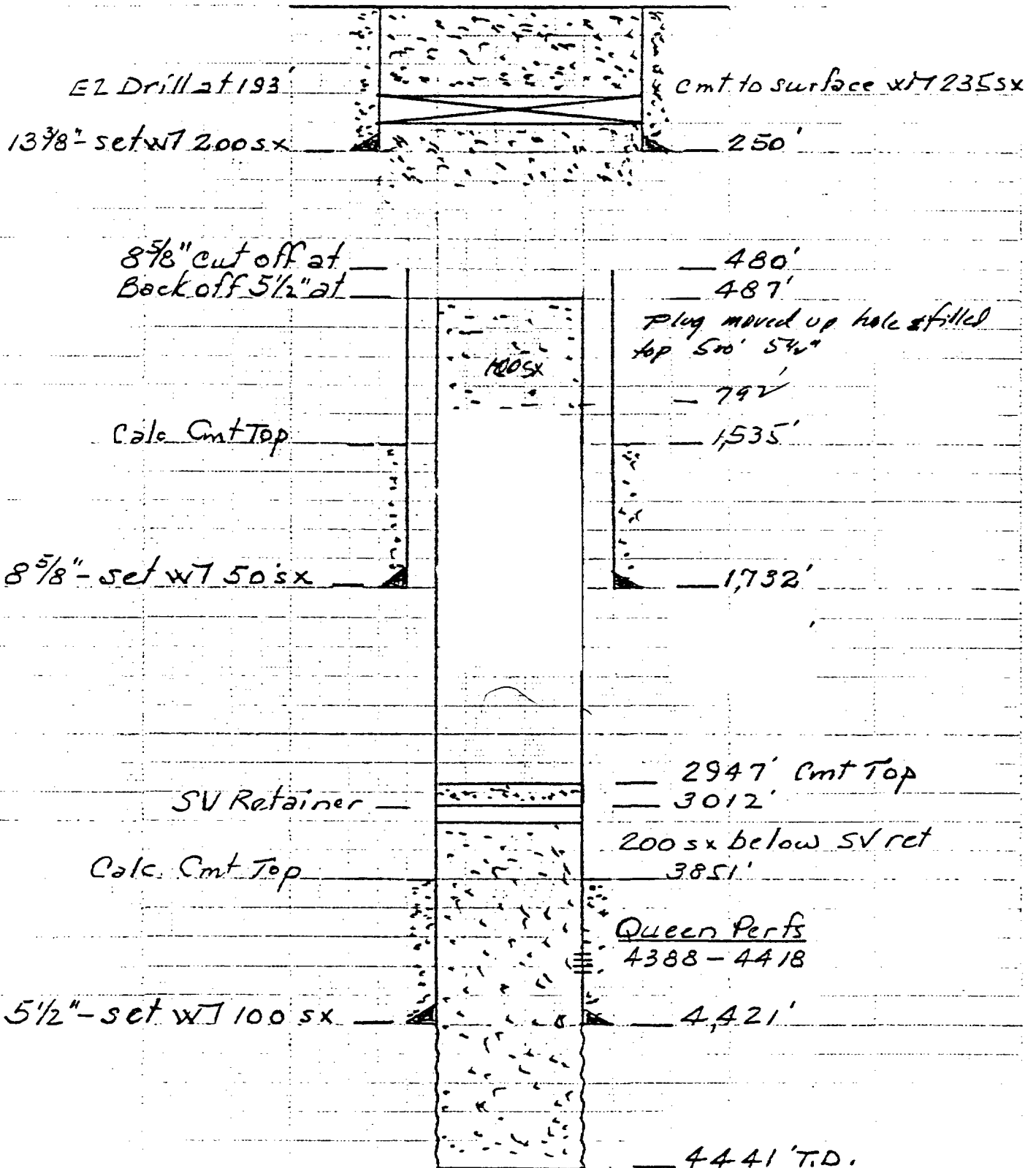


2-27-79
1GW

P & A
4-22-77

E-K Queen Unit Well No. 6-12
Lea County, New Mexico

Well Identification - L 19, 185, 33E

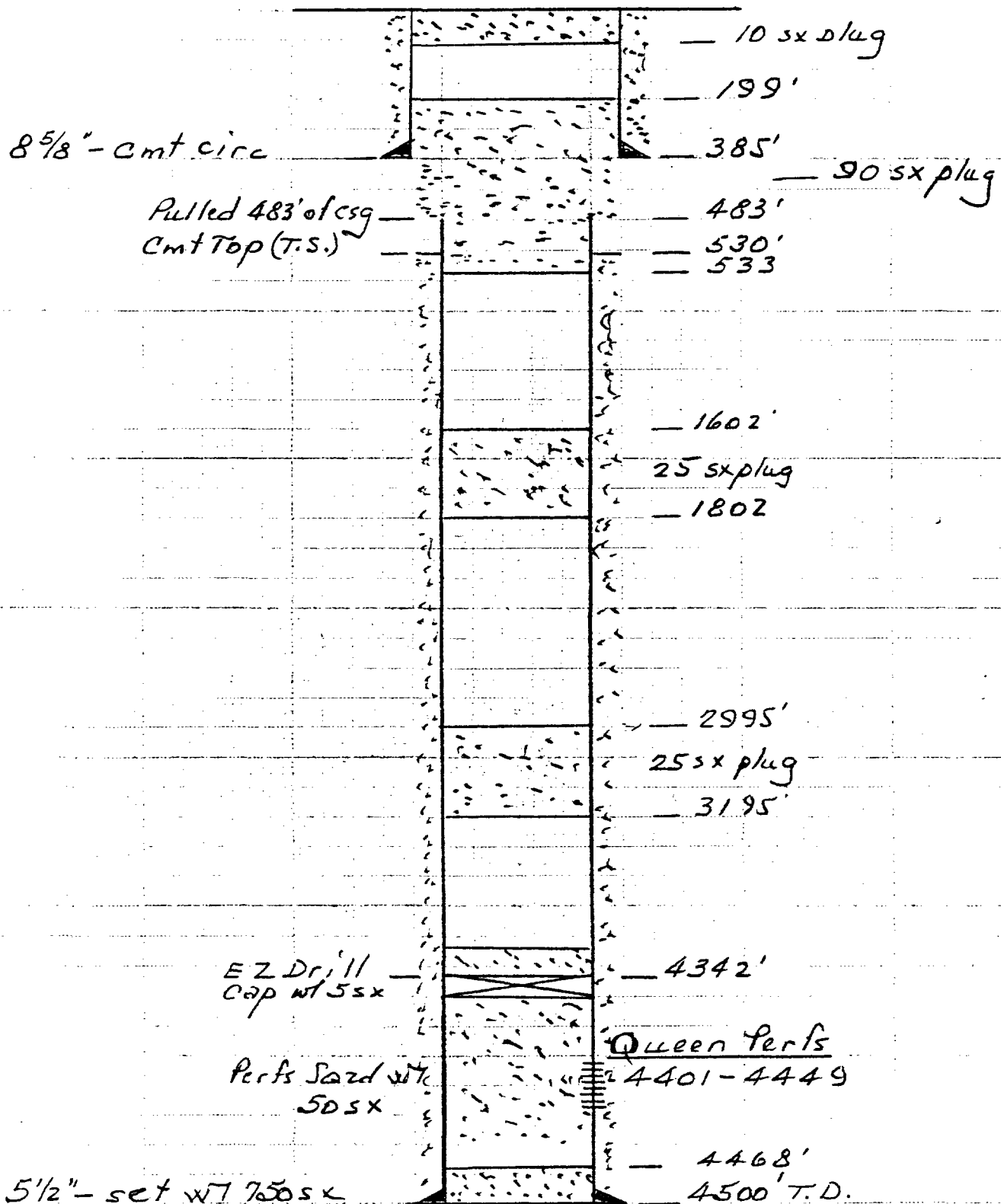


2-27-79
ICW

P & A
4-4-77

E-K Queen Unit Well No. 6-16
Lea County, New Mexico

Well Identification - P 2A, 18S, 33E

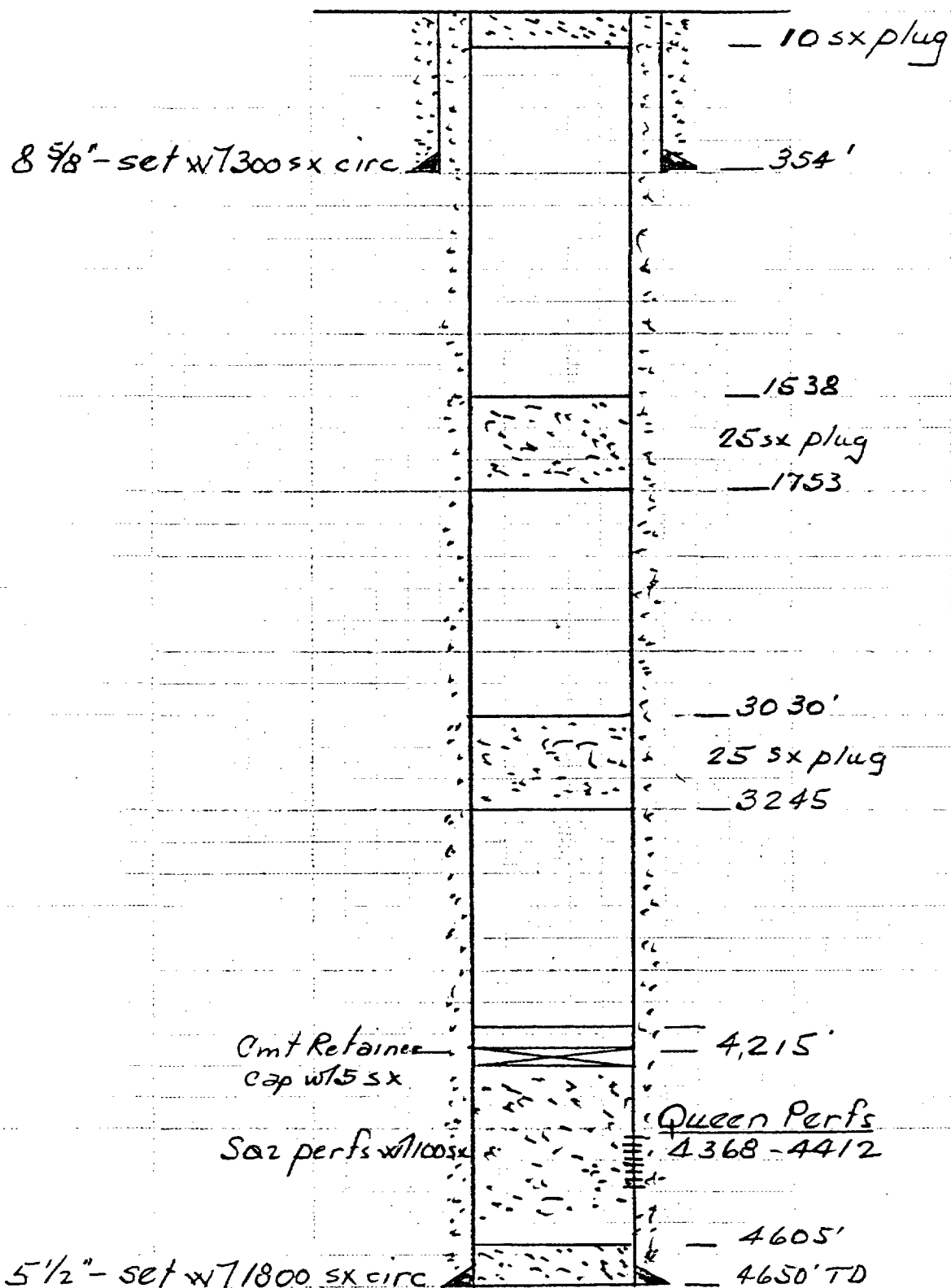


2-27-79
LEW

P & A
4-13-77

E-K Q Unit Well No. 6-17
 Lea County, New Mexico

WELL IDENTIFICATION - E19, 18S, 33E

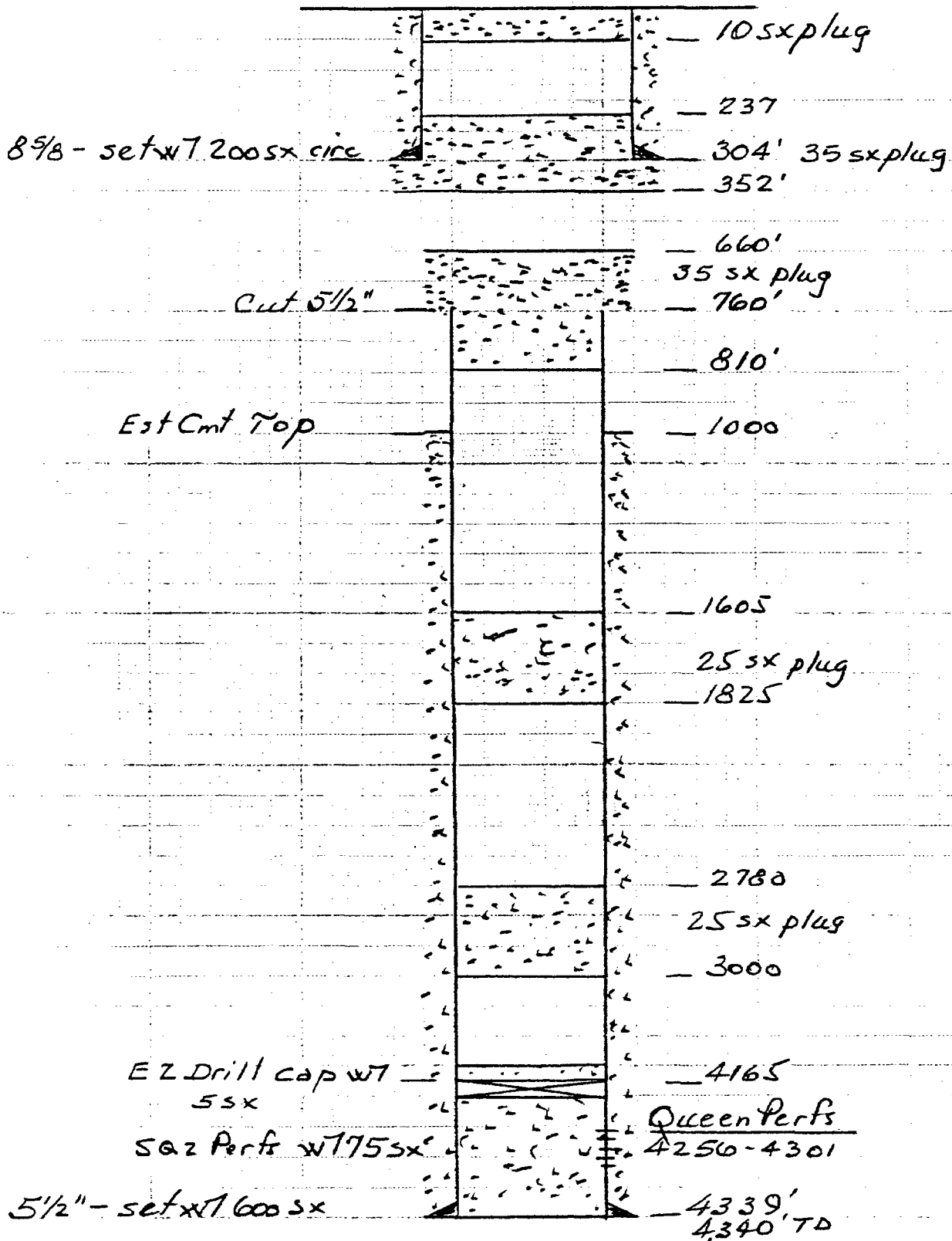


2-27-79
 1EW

P & A
 1-29-77

E-K Queen Unit Well No. 10-2
Lea County, New Mexico

Well Identification - 014, 185, 33E

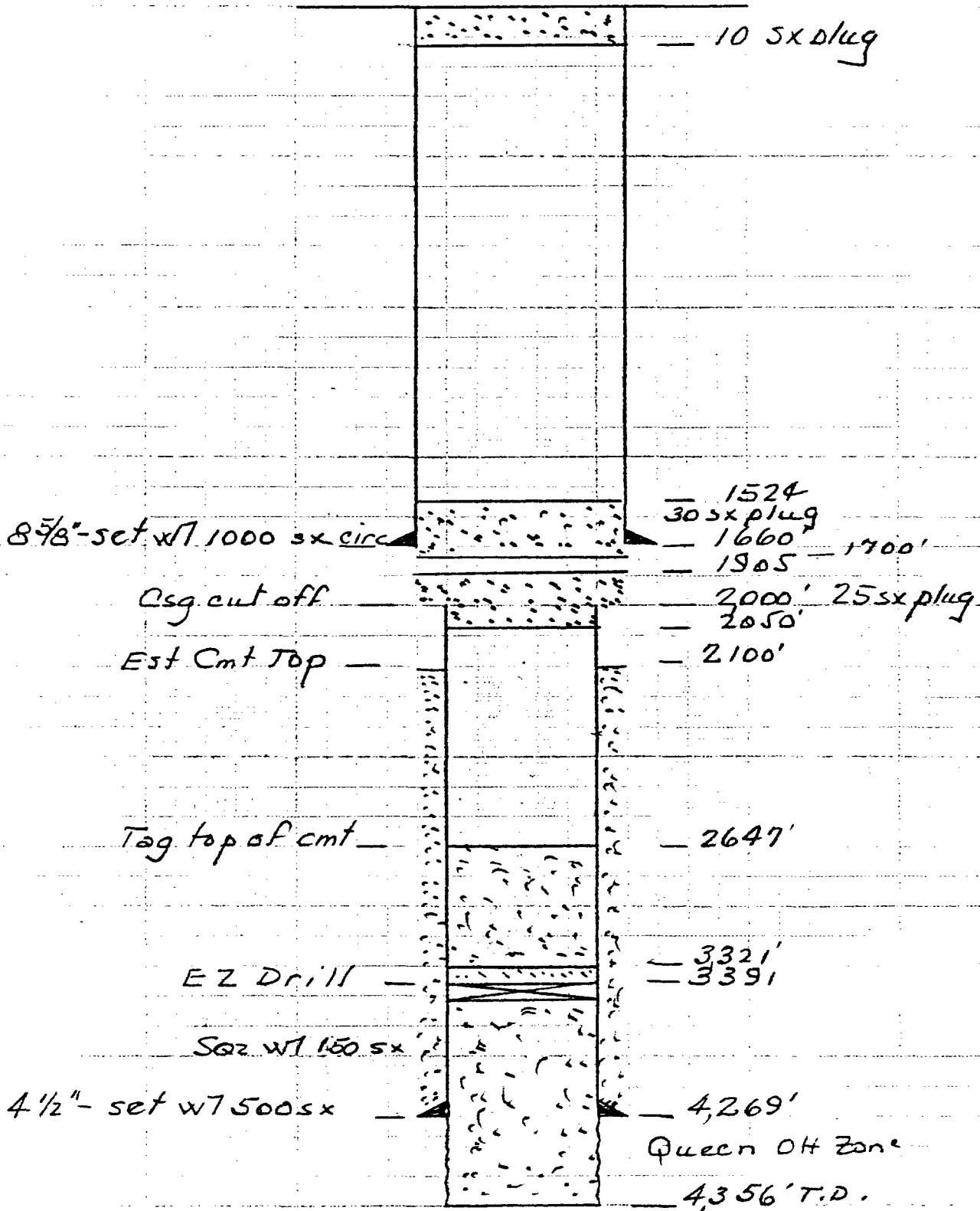


2-27-79
1GW

P & A
4-28-77

E-K Queen Unit Well No. 11-1
 Lea County, New Mexico

Well Identification - A23, 18S, 33E



2-27-79
 (EW)

P & A
 11-12-77

MOBIL OIL CORPORATION

E. K. QUEEN UNIT - LEA CO. N. MEXICO

TABULAR SUMMARY OF WELLS 1/2 MILE OF PROPOSED INJ. WELL 10-1

Well No.	1-7	1-8	6-4	6-9	6-13	7-2	10-2	11-1	11-2	11-3
Well Identification No.	114, 185, 33E	H14, 185, 33E	M13, 185, 33E	J14, 185, 33E	L13, 185, 33E	D24, 185, 33E	O14, 185, 33E	A23, 185, 33E	H23, 185, 33E	B23, 185, 33E
Surface Casing:										
Size	8-5/8"	8-5/8"	13-3/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"
Length	280'	282'	250'	1595'	1617'	1657'	289'	1646'	1657'	1628'
Cement - No. Sax	220	200	250	50	50	600	200	1000	800	1000
Cement Top	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated
Setting Depth	293'	295'	252'	1605'	1628'	1661'	304'	1660'	1664'	1640'
Intermediate Casing										
Size			8-5/8"							
Length			1618'							
Cement - No. Sax			50							
Cement Top			1500'							
Setting Depth			1621'							
Producing Casing										
Size	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	4-1/2"	4-1/2"	4-1/2"
Length	4373'	4313'	4332'	4298'	4269'	4393'	4343'	4257'	4278'	4282'
Cement - No. Sax	600	200	250	125	200	400	600	500	500	500
Cement Top	2989' Calc.	1299' Calc.	2918' Calc.	3441' Calc.	2930' Calc.	1659' Calc.	2977' Calc.	2100 Calc.	2953 Calc.	2933 Cal
Setting Depth	4351'	4299'	4329'	4292'	4292'	4382'	4339	4269'	4315'	4295'
Total Depth	4351'	4335'	4355'	4314'	4282'	4382'	4340'	4356'	4347'	4320'
Producing Interval	4268-4274'	4278-4283'	4329-4355'	4272-88'	4282-90'	4315-4320'	4256-4289'	4269-4356'	4290-4347'	4259-74'
	4294-4312'	4299-4335'	Open Hole	4294-4314'	4325-4328'	4352-4362'	4290-4300'			4295-4320'

TAP/3-79

Following wells are plugged and abandoned- #1-7, #10-2 & #11-1

MOBIL OIL CORPORATION
E. K. QUEEN UNIT - LEA CO. N. MEXICO

TABULAR SUMMARY OF WELLS 1/2 MILE OF PROPOSED INJ. WELL 10-1

Well No.	1-7	1-8	6-4	6-9	6-13	7-2	10-2	11-1	11-2	11-3
Well Identification No.	<u>I14, 185, 33E</u>	<u>H14, 185, 33E</u>	<u>M13, 185, 33E</u>	<u>J14, 185, 33E</u>	<u>L13, 185, 33E</u>	<u>O24, 185, 33E</u>	<u>O14, 185, 33E</u>	<u>A23, 185, 33E</u>	<u>H23, 185, 33E</u>	<u>B23, 185, 33E</u>
Surface Casting:										
Size	8-5/8"	8-5/8"	13-3/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"
Length	280'	282'	250'	1595'	1617'	1657'	289'	1646'	1657'	1628'
Cement - No. Sax	220	200	250	50	50	600	200	1000	800	1000
Cement Top	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated	Circulated
Setting Depth	293'	295'	252'	1605'	1628'	1661'	304'	1660'	1664'	1640'
Intermediate Casting										
Size			8-5/8"							
Length			1618'							
Cement - No. Sax			50							
Cement Top			1500'							
Setting Depth			1621'							
Producing Casting										
Size	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	4-1/2"	4-1/2"	4-1/2"
Length	4373'	4313'	4332'	4290'	4289'	4393'	4343'	4257'	4278'	4282'
Cement - No. Sax	600	200	250	125	200	400	600	500	500	500
Cement Top	2989' Calc.	1299' Calc.	2918' Calc.	3441' Calc.	2930' Calc.	1659' Calc.	2977' Calc.	2100' Calc.	2953' Calc.	2933' Calc.
Setting Depth	4351'	4299'	4329'	4292'	4292'	4382'	4339'	4269'	4315'	4295'
Total Depth	4351'	4335'	4355'	4314'	4282'	4382'	4340'	4356'	4347'	4320'
Producing Interval	4266-4274'	4278-4283'	4329-4355'	4272-88'	4282-90'	4315-4320'	4256-4289'	4269-4356'	4290-4347'	4259-74'
	4294-4312'	4299-4335'	Open Hole	4294-4314'	4325-4328'	4352-4362'	4290-4300'			4295-4320'

TAP/3-79

Following wells are plugged and abandoned- #1-7, #10-2 & #11-1

MOBIL OIL CORPORATION
E. K. QUEEN UNIT - LEA CO. N. MEXICO

TABULAR SUMMARY OF WELLS 1/2 MILE OF PROPOSED INJ. WELL 10-1

Well No.	1-7	1-8	6-4	6-9	6-13	7-2	10-2	11-1	11-2	11-3
Well Identification No.	114, 185, 33E	H14, 185, 33E	M13, 185, 33E	J14, 185, 33E	L13, 185, 33E	D24, 185, 33E	O14, 185, 33E	A23, 185, 33E	H23, 185, 33E	B23, 185, 33E
Surface Casing:										
Size	8-5/8"	8-5/8"	13-3/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"
Length	280'	282'	250'	1595'	1617'	1657'	289'	1646'	1657'	1628'
Cement - No. Sax	220	200	250	50	50	600	200	1000	800	1000
Cement Top										
Setting Depth	Circulated 293'	Circulated 295'	Circulated 252'	Circulated 1605'	Circulated 1628'	Circulated 1661'	Circulated 304'	Circulated 1660'	Circulated 1664'	Circulated 1640'
Intermediate Casing										
Size			8-5/8"							
Length			1618'							
Cement - No. Sax			50							
Cement Top			1500'							
Setting Depth			1621'							
Producing Casing										
Size	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	4-1/2"	4-1/2"	4-1/2"
Length	4373'	4313'	4332'	4298'	4289'	4393'	4343'	4257'	4278'	4282'
Cement - No. Sax	600	200	250	125	200	400	600	500	500	500
Cement Top	2989' Calc.	1299' Calc.	2918' Calc.	3441' Calc.	2930' Calc.	1659' Calc.	2977' Calc.	2100' Calc.	2953' Calc.	2933' Calc.
Setting Depth	4351'	4299'	4329'	4292'	4292'	4382'	4339'	4269'	4315'	4295'
Total Depth	4351'	4335'	4355'	4314'	4282'	4382'	4340'	4356'	4347'	4320'
Producing Interval	4268-4274'	4278-4283'	4329-4355'	4272-88'	4282-90'	4315-4320'	4256-4289'	4269-4356'	4290-4347'	4259-74'
	4294-4312'	4299-4335'	Open Hole'	4294-4314'	4325-4328'	4352-4362'	4290-4300'			4295-4320'

TAP/3-79

Following wells are plugged and abandoned- #1-7, #10-2 & #11-1

E. K. QUEEN UNIT FRAC GRADIENT SUMMARY
E. K. QUEEN FIELD
LEA COUNTY, NEW MEXICO

Tract & Well No.	Stimulation Date	Stimulated Interval (ft.)	Mid-Point Depth (ft.)	Breakdown Pressure (psi)	Instantaneous Shut-in (psi)	Flush Fluid	Bottomhole Frac Pressure (psi)	Frac Gradient (psi/ft.)	Remarks
7-2	9-14-55	4352-4362	4357	3700	2700	011	4295	.99	Frac
6-8	8-10-56	4374-4407	4390	3900	2400	011	4007	.91	Frac
2-6	12-5-57	4380-4388	4384	2500	2000	011	3605	.82	Frac
2-6	12-5-57	4340-4349	4344	2900	2200	011	3790	.87	Frac
2-4	11-7-58	4429-4438	4433	3200	2400	011	4022	.91	Acid
2-7	6-21-66	4370-4406	4388	2500	1800	Brine	3876	.88	Acid
4-1	12-3-66	4373-4413	4393	2100	2000	Brine	3608	.82	Acid
1-8	3-3-67	4278-4283	4280	3500	1650	Brine	3674	.86	Frac
2-2	4-7-67	4432-4444	4438	2200	2500	Brine	4599	1.04	Acid
6-16	3-11-68	4401-4449	4425	*	1400	Brine	3493	.79	Frac
7-6	6-4-68	4344-4366	4355	3900	1300	Brine	3360	.77	Frac
7-6	6-7-68	4292-4331	4312	3300	1000	Brine	3040	.71	Frac
7-6	6-8-68	4292-4331	4312	4150	1800	Brine	3840	.89	Frac
3-1	7-2-68	4355-4365	4360	3600	2400	Brine	4462	1.02	Frac
7-5	7-5-68	4306-4314	4310	*	2000	Brine	4039	.94	Frac
9-1	7-9-68	4439-4466	4452	4600	1900	Brine	4006	.90	Frac
3-2	7-14-68	4470-4480	4475	2500	2300	Brine	4417	.99	Acid

Tract & Well No.	Stimulation Date	Stimulated Interval (ft.)	Mid-Point Depth (ft.)	Breakdown Pressure (psi)	Instantaneous Shut-in (psi)	Flush Fluid	Bottomhole Frac Pressure (psi)	Frac Gradient (psi/ft.)	Remarks
10-2	7-16-68	4256-4301	4278	*	2200	Brine	4223	.99	Frac
6-3	10-2-68	4332-4361	4346	*	2100	Brine	4156	.96	Frac
6-12	10-6-68	4388-4418	4403	*	2100	Brine	4183	.95	Frac
8-2	11-2-68	4232-4266	4249	*	1900	Brine	3910	.92	Frac
5-2	11-4-68	4300-4309	4304	*	2600	Brine	4636	1.08	Acid
5-2	11-7-68	4264-4309	4286	*	2400	KCL H2O	4286	1.00	Acid
12-1	11-11-68	4348-4354	4350	*	2700	Brine	4758	1.09	Acid
6-7	11-14-68	4382-4425	4403	*	2600	Brine	4683	1.06	Acid
1-4	11-20-68	4325-4353	4339	2600	1500	Brine	3552	.82	Acid
7-3	11-21-68	4324-4370	4347	*	2500	Brine	4556	1.05	Acid
6-1	11-23-68	4336-4398	4367	*	2200	Brine	4266	.98	Acid
8-1	11-28-68	4276-4309	4292	*	2400	Brine	4430	1.03	Acid
1-8	11-30-68	4278-4335	4306	*	2200	Brine	4237	.98	Acid
6-14	12-3-68	4285-4348	4316	*	2500	Brine	4541	1.05	Acid
6-14	12-5-68	4314-4348	4331	*	2400	Brine	4449	1.03	Acid

*No obvious breakdown observed or reported on treating report.

Average mid-point depth = 4354', Average bottomhole frac pressure = 4094 psig, Average frac gradient = .94 psi/ft.

Average surface pressure to frac = 2033 psi = .467 psi/ft.