GP II Energy , Inc.

North Square Lake Unit
Eddy County , New Mexico

Area of Review
West Patterns

Phase I C-108 Application
Updated May-00

Lease Name *Unit Well No.*	WELL # API # 30-015	S-T-R	LOC'N.	CURRENT STATUS	SPUD DATE	COMP DATE	TD/ PBTD	CASING & CEMENT PROGRAM	TOC	FORM.	COMP. ZONE	STIMULATION	IP
Grier *NSLU # 56*	12 04929	30J-16-31	1980' FSL 1980' FEL	Active Producer	1/3/44	3/2/44	3285'/ 3285'	10" Csg set @ 526' w/50 sxs 8 1/4" Csg set @ 500' w/50sxs 5 1/2" Csg set @ 2988' w/100 sxs 4 1/2" Lnr 2872-3284 w/250 sxs Lnr run 4/67	326' 2379' 2379'	GB-SA	2988-3184 (OH) 3091-3271	NA 26.3 MGAL & 21 M#	390 BOPD 30 BOPD 140 BWPD
Fidel *NSLU # 57*	2 04925	30I-16-31	1980' FSL 660' FEL	P&A	6/1/43	7/31/43	3203'/ 3135'	8 5/8" Csg set @ 602' w/50 sxs 6" Csg set @ 3055' w/100 sxs	397' 2455'	GB-SA	NA	NA	100 BOPD
Texas Trdng "A" *NSLU # 58*	3 04918	29L-16-31	1980' FSL 660' FWL	Active Producer	1/6/44	2/5/44	3426'/ 3426'	8 5/8" Csg set @ 585' w/ 50 sxs 5 1/2" Csg set @ 3193' w/ 100 sxs	411' 2584'	GB-SA	3193-3426 (OH)	165 qts. Nitro 80 M gal & 16 M#	200 BOPD
Grier *NSLU # 73*	1 04926	30M-16-31	660' FSL 660' FWL	P&A	2/16/42	5/10/42	3100'/ 3055'	8 1/4" Csg set @ 495' w/50 sxs 7" Csg set @ 2491' w/15 sxs 5 1/2" Csg set @ 2977' w/100 sxs	321' 2388' 2368'	GB-SA	NA	NA	185 BOPD
LOE *NSLU # 75*	11 20839	30N-16-31	660' FSL 1346' FWL	Active Producer	5/1/73	5/25/73	3162'/ 3158'	8 5/8" Csg set @ 439' w/ 185 sxs 5 1/2" Csg set @ 3300' w/ 300 sxs	Circ. 1393'	GB-SA	3092-3142	15 M gal & 15 M#	45 BOPD 80 BWPD
Grier *NSLU # 76*	1 04931	30N-16-31	660' FSL 1980' FWL	P&A	4/22/42	6/23/42	3157'/ 3157	8 1/4" Csg set @ 508' w/55 sxs 5 1/2" Csg set @ 2957' w/100 sxs	317' 2348'	GB-SA	2957-3157	NA	250 BOPD
Grier *NSLU # 77*	10 04927	30O-16-31	660' FSL 1980' FEL	P&A	7/16/42	10/6/42	3307'/ 3307'	8 1/4" Csg set @ 575' w/ 25 sxs 5 1/2" Csg set @ 3053' w/ 100 sxs	488' 2444'	GB-SA	3053-3307 (OH)	320 QTS, OF NITRO	NA
Grier *NSLU # 78*	19 24458	30O-16-31	990' FSL 1650' FWL	Active Producer	4/22/83	5/25/83	3390'/ 3390'	8 5/8" Csg set @ 549' w/ 400 sxs 5 1/2" Csg set @ 3389' w/ 1750 sxs	Circ. Circ.	GB-SA	3106-3316	63 M gal & 161 M#	87 BOPD 194 BWPD
J. N. Fidel *NSLU # 79*	1 04928	30P-16-31	660' FSL 660' FEL	Inactive Producer	10/15/42	11/30/42	3267'	8 1/4" Csg set @ 607' w/50 sxs 5 1/2" Csg set @ 3050' w/100 sxs	433' 2441'	GB-SA	3050-3267 (OH)	NA	75 BOPD
Texas Trading A *NSLU # 80*	1 04916	29M-16-31	660' FSL 660' FWL	P&A	8/9/42	11/15/42	3458'/ 3298	8 1/4" Csg set @ 640' w/ 50 sxs 5 1/2" Csg set @ 3162' w/ 100 sxs 4 1/2" Lnr 3058-3372 W/150 sxs Lnr ran 7/63	466'	GB-SA	3254-84	80 qts. Nitro	150 BOPD

North Square Lake Unit
Eddy County , New Mexico

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West Patterns

Phase I C-108 Application
Updated May-00

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State B not # 96	1 NA	36A-16-30	660' FNL 660' FEL	P&A	12/11/41	5/15/42	3119'/ 3119'	8 1/4" Csg set @ 487' w/50 sxs 7" Csg set @ 2798' w/100 sxs	313' 2112'	GB-SA	2798-3119	NA	65 BOPD
State "H" *NSLU # 96*	3 04031	36A-16-30	810' FNL 600' FEL	Active Producer	12/27/53	3/31/54	3555'/ 3555'	10" set @ 482' w/ 100 sxs 7" set @ 2815' w/ 100 sxs. 4 1/2" Lnr 2706-3252 Liner set 2/71 cmt w/ 150sx	Circ. 2189'	GB-SA	2815-3555' (OH) 3012-217'	Acidize w/ 9000 gal Acidize w/ 1000 gal Frac w 62 Mgal & 58 M#	30 BOPD
Grier *NSLU # 97*	1 04942	31D-16-31	660' FNL 660' FWL	Active Producer	6/16/41	11/28/41	3358'/ 3358'	10 " Csg set @ 468' w/50 sxs 5 1/2" Cst set @ 2955' w/100 sxs 4 1/2" Lnr 2891-3358 w/ 175 sxs Lnr ran 2/68	187' 2346'	GB-SA	2955-3247 (OH) 3058-3247	?? Qts. of nitro Frac w/ 70 Mgal & 86 M#	90 BOPD
Grier *NSLU # 99*	3 04944	31C-16-31	660' FNL 1980' FWL	Active Producer	5/22/42	7/24/42	3340'/ 3338'	10 3/4" Csg set @ 459' w/ 50 sxs 6 5/8" Csg set @ 2982" w/ 100 sxs 4 1/2' Lnr.2911-3338 w/125sx	Circ. 2036'	GB-SA	2989-3252 (OH)	60 qts. Nitro 2247-57	640 BOPD
Grier *NSLU # 100*	**11** **04946**	**31B-16-31**	**660' FNL** 1980' FEL	**Active Producer**	**10/10/43**	**12/15/43**	**3380'/** 3380'	**10" Csg set @ 550' w/ 50 sxs** 5 1/2" Csg set @ 2988' w/ 100 sxs 4 1/2" Lnr 2942-3380 w/ 250 sxs Lnr ran 2/67	**255'** 2379'	**GB-SA**	**2988-3297** (OH) 3166-3336	NA Frac w/ 37.17 Mgal & 22.5 M#	NA
Grier *NSLU # 101*	11 04946	31B-16-31	660' FNL 1980' FEL	Active Producer	10/10/43	12/15/43	3380'/ 3380'	10" Csg set @ 550' w/ 50 sxs 5 1/2" Csg set @ 2988' w/ 100 sxs 4 1/2" Lnr 2942-3380 w/ 250 sxs Lnr ran 2/67	255' 2379'	GB-SA	2988-3297 (OH) 3166-3336	NA Frac w/ 37.17 Mgal & 22.5 M#	NA
Grier *NSLU # 102*	17 20185	31A-16-31	330' FNL 660' FEL	Active Injector	12/12/68	1/21/69	3420'/ 3396'	8 5/8" Csg set @ 504' w/ 250 sxs 4 1/2" Csg set @ 3420' w/ 400 sxs	Circ. 1596'	GB-SA	3132-3338	30 MGAL & 26 M#	22 BOPD
Grier *NSLU # 103*	9 04940	31A-16-31	660' FNL 660' FEL	P&A	7/7/42	9/26/42	3256'	8 1/4" Csg set @ 579' w/25 sxs 7" Csg set @ 2482' w/100 sxs	492' 1796'	GB-SA	2482-3256	180 qts. Nitro	18 BOPD
State R *NSLU # 104*	1 04964	32D -16-31	660' FNL 660' FWL	P&A	2/22/42	5/15/42	3300'	8 1/4" Csg set @ 608' w/50 sxs 5 1/2" Csg set @ 3210' w/125 sx	434' 2448'	GB-SA		90 qts. Nit 3277-3300 90 qts. Nit 3220-3241 10 qts. Nit 3241-3277	35 BOPD

North Square Lake Unit
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West Patterns

Phase I C-108 Application
Updated May-00

Lease Name *Unit Well No.*	WELL # API # 30-015	S-T-R	LOC'N.	CURRENT STATUS	SPUD DATE	COMP DATE	TD/ PBTD	CASING & CEMENT PROGRAM	TOC	FORM.	COMP. ZONE	STIMULATION	IP
State R *NSLU # 105*	3 04966	32C -16-31	660' FNL 1980' FWL	P&A	5/17/43	12/31/43	3360'	8 5/8" Cst set @ 597' w/50 sxs 5 1/2" Csg set @ 3255' w/100 sxs		GB-SA	3255-3360	135 qts. Nitro 3266-3361	125 BOPD
State H (Witch) *NSLU # 119*	1	36G-16-30	1980' FNL 1980' FEL	Active Producer	6/30/42	11/3/42	3050'/ 3050'	10 3/4" Csg set @ 550' w/ 50 sxs 5 1/2" Csg set @ 2923' w/100 sxs	Circ. 2314'	GB-SA	2923-3050	NA	100 BOPD
Desa *NSLU # 120*	1 21747	36G-16-30	1650' FNL 1650' FEL	Active Producer		10/49	3276'/ 3274	8 5/8" Csg set @ 499' w/100 sxs 4 1/2" Lnr set @ 3276' w/200 sxs Liner set 11/72		GB-SA	3128-48 (OH) 3013-3085' Perfs.	80 qts. Nitro Acid w/2000 gal 2/77 Frac w/26.5 M gal & 37.5 M#	20 BOPD 33 BWPD
State J *NSLU # 121*	1 04028	36H-16-30	1330' FNL 1310' FEL	Active Producer	7/18/49	9/30/49	3332'/ 3332'	10 3/4" set @ 535' w/ 50 sxs 6" set @ 2815' w/ 50 sxs. 4 1/2" Lnr 2615'-3254' 4 1/2" csg. surf to 2615'	Circ. 2474'	GB-SA	2815-3332' (OH) 3026'-3101'	80 qts of nitro. Acidize w/ 1000 gal Fw/ 63 Mg & 72 M#	10 BOPD
Tellyer State *NSLU # 122*	1 NA	36H-16-30	1980' FNL 660' FEL	P&A	12/28/41	3/18/42	3114'/ 3114	8 1/4" Csg set @ 498' w/50 sxs 5 1/2" Csg set @ 2800' w/150 sxs	324' 1886'	GB-SA	2800-3114	NA	60 BOPD
Grier *NSLU # 123*	2 04943	31E-16-31	1980' FNL 660' FWL	Active Producer	3/29/42	5/18/42	3265'/ 3257'	10 3/4 " Csg set @ 482' w/50 sxs 7" Csg set @ 2952' w/100 sxs 4 1/2" Lnr 2863-3257 w/ 250 sxs Lnr run 4/69	201' 2266'	GB-SA	3092-3240 (OH) 3050-3240	NA Frac w/ 40 Mgal & 26 M#	410 BOPD
Grier *NSLU # 124*	20 24580	31C-16-31	1250' FNL 1031' FWL	Active Producer	9/15/83	11/6/83	3414'/ 3370'	8 5/8" Csg set @ 1560' w/ 975 sxs 5 1/2" Csg set @ 3401' w/ 750 sxs	Circ. Circ.	GB-SA	3040-270	Acidize w/ 2500 gal Frac w/ 75 Mgal & 142 M#	20 BOPD 211 BWPD
Grier *NSLU # 125*	4Y 04945	31F-16-31	1980' FNL 1650' FWL	Active Producer	8/7/42	11/19/42	3297'/ 3297'	10" Csg set @ 512' w/ 50 sxs 7" Csg set @ 2965' w/ 100 sxs 4 1/2" Lnr 2802-3260 w/ ??? sxs Lnr run 12/69	Circ. 2279'	GB-SA	2965-3270 (OH) 3076-3265	NA Frac w/ 38 Mgal & 24 M#	500 BOPD 240 BOPD
Grier *NSLU # 126*	5 04947	31G-16-31	1980' FNL 1980' FEL	Active producer	6/9/42	8/5/42	3333'/ 3333'	10 3/4" Csg set @ 538' w/ 50 sxs 7" Csg set @ 2985' w/ 100 sxs 4 1/2" Lnr 2933-3333 w/ 100 sxs Lnr run 9/68	Circ. 2299'	GB-SA	2985-3333 (OH) 3129-3311	NA Frac w/ 30 Mgal & 27 M#	NA NA

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Phase I C-108 Application
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Grier *NSLU # 127*	7X 04949	31H-16-31	1980' FNL 660' FEL	Inactive Injector	6/22/43	10/4/43	3376'/ 3376'	10" Csg set @ 350' w/ 50 sxs 5 1/2" Csg set @ 3055' w/ 100 sxs 4 1/2" Lnr 2996-3376 w/ 200 sxs Lnr run 2/67	55' 2446'	GB-SA	3055-3376 (OH) 3198-3367	170 qts. Nitro 3199-3285 Frac w/ 37.6 Mgal & 23.5 M#	240 BOPD NA
State R *NSLU # 128*	2 04965	32 E-16-31	1650' FNL 990' FWL	P&A	3/5/44	6/2/44	3438'/ 3438'	8 5/8" Csg set @ 580' w/ 50 sxs 5 1/2" Csg set @ 3235' w/ 100 sxs	375' 2626'	GB-SA	3235-3438 (OH)	200 Qts of nitro	12 BOPD
State R *NSLU # 129*	4 04967	32F-16-31	1980' FNL 1980' FWL	P&A	9/20/43	1/17/44	3330'/ 3330'	8 5/8" Csg set @ 598' w/50 sxs 5 1/2" Csg set @ 3209' w/100 sxs	393' 2600'	GB-SA	3209-3330	130 qts. Nitro	100 BOPD
Grier *NSLU # 142*	16 20184	31E-16-31	2630' FNL 10' FWL	Active Injector	11/30/68	1/16/69	3254'/ 3252'	8 5/8" Csg set @ 433' w/ 150 sxs 4 1/2" Csg set @ 3252' w/ 1000 sxs	Circ. Circ.	GB-SA	3037-3222	2000 GAL. ACID	WIW
Grier A *NSLU # 143*	1 04938	31L-16-31	1980' FSL 511' FWL	P&A	11/30/42	1/21/43/	3060'	8 1/4" Csg set @ 557' w/50 sxs 5 1/2" Csg set @ 2955' w/400 sxs	383' 519'	GB-SA	2985-3060	170 qts. Nitro	75 BOPD
Grier "A" *NSLU # 144*	1 04941	31K-16-31	1980' FSL 1680' FWL	Active Producer	6/30/42	9/14/42	3244'/ 3244'	8 5/8" Csg set @ 525' w/ 50 sxs 7" Csg set @ 2838' w/ 100 sxs 4 1/2" Lnr 2782-3244 w/ 150 sxs Lnr run 4/69	320' 2152'	GB-SA	2838-3170 (OH) 3032-3232	60 qts. Nitro 60 MGAL &50 M#	85 BOPD
Grier *NSLU # 145*	6 04948	31J-16-31	1980' FSL 1980' FEL	Active Injector	6/30/42	4/43	3338'/ 3338'	8 5/8" Csg set @ 545' w/ 50 sxs 5 1/2" Csg set @ 2980' w/ 100 sxs	341' 2371'	GB-SA	2988-3338 (OH)	NA	WIW
Doolin *NSLU # 146*	2 04954	32L -16-31	1980' FSL 660' FWL	P&A	2/25/60	5/5/60	3294'/ 3280'	9 5/8" Csg set @ 362' w/ 125 sxs 5 1/2" Csg set @ 3294' w/ 125 sxs	Circ. 2533'	GB-SA	3214-65	Acidize w/ 1250 gal Frac w/ 40 Mgal	14 BOPD
Grier *NSLU # 158*	3 04950	31M-16-31	660' FSL 660' FWL	P&A	11/15/42	2/22/43	3158'	8" Csg set @ 550' w/50 sxs 7" Csg set @ 2480' w/15 sxs 5 1/2" Csg set @ 2900' w/100 sxs	376' 2377' 2291'	GB-SA	2900-3158	250 qts. Nitro	60 BOPD
H. J. LOE *NSLU # 158*	5 24920	31M-16-31	660' FSL 330' FWL	Active Producer	8/2/84	9/4/84	3350'/ 3330'	8 5/8" Csg set @ 497' w/ 450 sxs 5 1/2" Csg set @ 3346' w/ 3250 sxs	Circ. Circ.	GB-SA	3025-3104	30 MGAL & 78 M#	40 BOPD
Grier "B" *NSLU # 159*	2 24706	31L-16-31	1370' FSL 977' FWL	Active Producer	12/23/83	2/2/84	3370'/ 3369'	8 5/8" Csg set @ 514' w/ 425 sxs 5 1/2" Csg set @ 3356' w/ 1320 sxs	Circ. Circ.	GB-SA	3062-3169	34.3 MGAL & 69 M#	112 BOPD 83 BWPD

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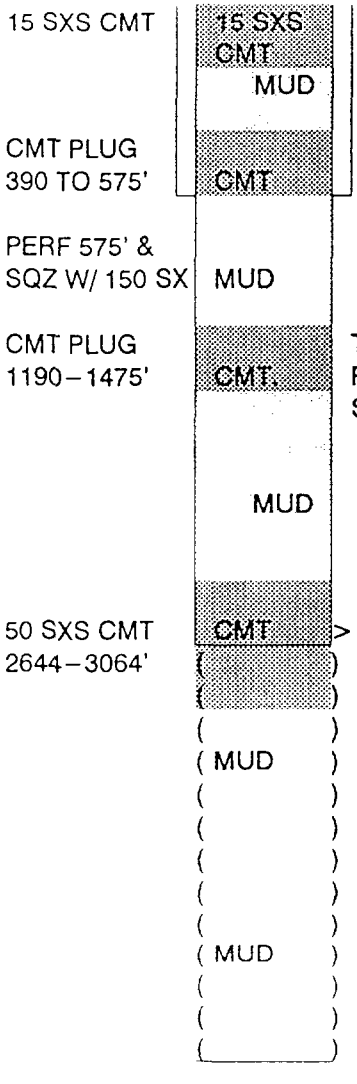
HJ LOE *NSLU # 160*	1 4953	31N-16-31	330' FSL 1980' FWL	Active Producer	4/1/64	4/15/64	3505'/ 3499'	13 3/8" Csg set @ 30' w/ 1 1/2 yds. 5 1/2" Csg set @ 3504' w/ 200 sxs		GB-SA	3250-3461	NA	NA
Grier *NSLU # 161*	4 4951	31N-16-31	660' FSL 1980' FWL	P & A	5/8/57	5/25/57	3206'	8 5/8" Csg set @ 1446' w/ 900 sxs 5 1/2" Csg set @ 3160' w/ 350 sxs		GB-SA	2974-3132	NA	NA
Grier *NSLU # 162*	18 24457	31O-16-31	660' FSL 1980' FEL	Active Producer	5/1/83	6/10/83	3425'	8 5/8" Csg set @ 520' w/ 400 sxs 5 1/2" Csg set @ 3424' w/ 4100 sxs	Circ. Circ.	GB-SA	3084-3320	Frac w/ 38mg & 36M#	72 BOPD 81 BWPD
State "H" *NSLU # 183*	4 10863	36A-16-30	10' FNL 10' FEL	Active Injector	5/18/66	8/15/66	3250'/ 3241'	13 3/8" set @ 44' w/ 50 sxs 4 1/2" set @ 3250' w/ 350 sxs.	Circ. 1654'	GB-SA	3022-3220	Acidize w/ 2000 gal	WIW
Averton State	9 04025	36I-16-30	1980' FSL 660' FEL	P&A	6/30/42	6/19/43	3100'	8 5/8" Csg set @ 500' w/50 sxs 5 1/2" Csg set @ 2840' w/100 sxs	295' 2231'	GB-SA	2840-3100	NA	100 BOPD
Tidewater State	7 04023	36J-16-30	1980' FSL 1980' FEL	Inactive Producer	6/26/42	8/2/42	3107'/ 3107'	8 1/4" Csg set @ 560' w/25 sxs 7" Csg set @ 2460' w/50 sxs	473' 2117'	GB-SA	2460-3107	360 qts. Nitro	187 BOPD
WSLU	12 25335	36P-16-30	660' FSL 1295' FEL	Active Producer	8/24/85	5/26/86	3935'/ 3703'	12 3/4" Csg set @ 298' w/405 sxs 5 1/2" Csg set @ 3934' w/1635 sxs	Circ. Circ.	GB-SA	3016-703	Frac w/40 M gal & 80 M#	53 BOPD
WSLU	10 04026	36P-16-30	660' FSL 660' FEL	Active Producer	4/4/46	6/6/46	3147'/ 3147'	8 5/8" Csg set @ 576' w/50 sxs 5 1/2" Csg set @ 2943' w/100 sxs	371' 2334'	GB-SA	2943-3147	NA	100 BOPD

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: FIDEL #2
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FSL & 660' FEL
SEC 30, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 5/8" CSG, SET @ 602'
CMT. W/ 50 SXS., TOC @ 397' (CALC.)

TAG CMT @ 1190'
PERF SQUEEZE HOLES @ 1475'
SQUEEZED W/ 150 SXS

PRODUCTION CASING:
RAN 6" CSG, SET @ 3055'.
CMT W/100 SXS, TOP OF CEMENT @ 2455' CALC.

OPENHOLE:
3055' TO 3203'

PLUGS:
PLUG #1 – 50 SXS 3064 TO 2644'
PLUG #2 – SQUEEZE @ BASE OF SALT, 1475', W/ 150 SXS
TOC @ 1190'
PLUG #3 – SQUEEZE TOP OF SALT, 575', W/ 150 SXS. TOC @ 390'
PLUG #4 – 15 SXS SURFACE PLUG

01 – Dec – 98

NSLU#57

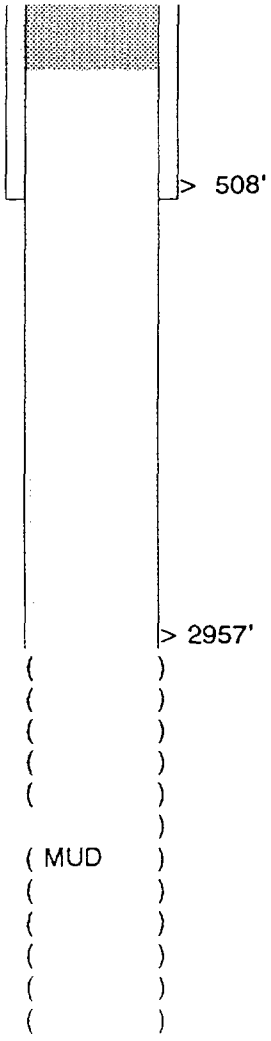
GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER #1
FIELD: SQUARE LAKE
INTERVAL: GB–SA

LOCATION:
660' FSL & 1980' FWL
SEC 30, T–16–S, R–31–E
EDDY COUNTY, NEW MEXICO

NO PLUGGING REPORT AVAILABLE



SURFACE CASING:
RAN 8 1/4" CSG, SET @ 508'
CMT. W/ 55 SXS., TOC @ 317' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2957'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2348' (CALC.)

OPEN HOLE
2957' TO 3157'

PLUGS:
PLUG #1– 10 SXS @ 2500'
PLUG #2– 10 SXS @ 500'
PLUG #3– 5 SXS @ SURFACE

TD: 3157'

04–Dec–98

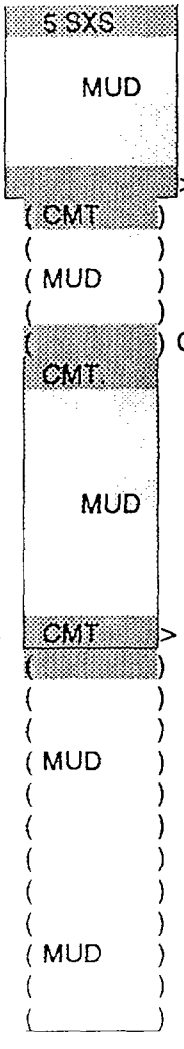
NSLU#76

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER #1
FIELD: SQUARE LAKE
INTERVAL: GB–SA

LOCATION:
660' FSL & 660' FWL
SEC 30, T–16–S, R–31–E
EDDY COUNTY, NEW MEXICO



5 SXS CMT

10 SXS SET
480– 510'

15 SXS CMT
FROM 1360
TO 1410'

10 SXS FROM
2950–3000

CUT 5 1/2 @ 1400'. SET 15 SXS @ 1360'–1410'

SURFACE CASING:
RAN 8 1/4" CSG, SET @ 495'
CMT. W/ 50 SXS., TOC @ 321' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2977'.
CMT W/100 SXS, TOP OF CEMENT @ 2368' CALC.

OPENHOLE:
2977' TO 3157'

PLUGS:
PLUG #1– 10 SXS 2950–3000'
PLUG #2– 15 SXS 1360' TO 1410'
PLUG #3– '10 SXS 480' TO 510'
PLUG #4– 5 SXS SURFACE

TD: 3157'

01–Dec–98

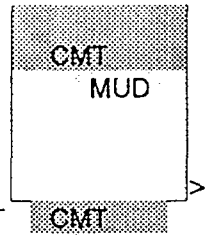
NSLU#73

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

/ELL: GRIER #10
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FSL & 1980' FEL
SEC 30, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 1/4" CSG, SET @ 575'
CMT. W/ 25 SXS., TOC @ 488' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3053'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2444' (CALC.)

OPEN HOLE
3053' TO 3307'

PLUGS:

PLUG #1 – 10 SXS @ 3053'

PLUG #2 – 10 SXS @ 1950', CUT OFF CSG @ 1950.

PLUG #3 – 15 SXS @ TOP OF SALT

PLUG #4 – CMT PLUG @ SURFACE

TD: 3307'

04 – Dec – 98

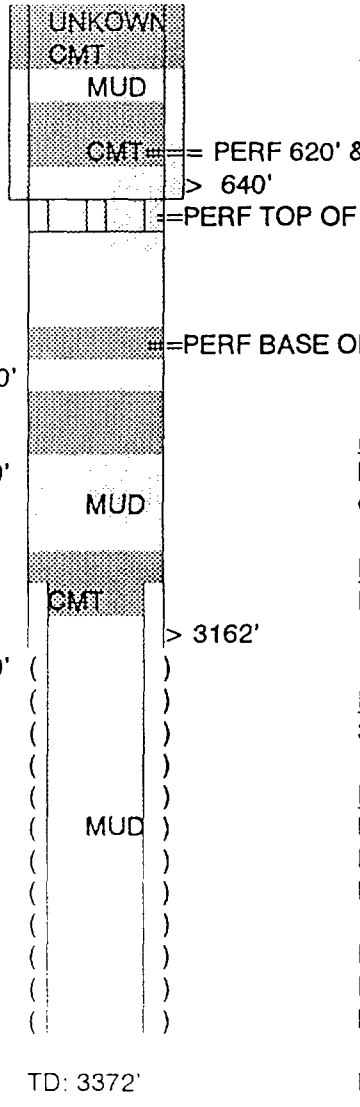
NSLU#77

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: TEXAS TRADING A #1
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FSL & 660' FWL
SEC 29, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



PERF 620' & SQZ W/ 515 SXS, CIRC TO PIT

PERF TOP OF SALT @ 685', SQZ W/ 120 SXS, SET CIBP @ 655'

PERF BASE OF SALT @ 1470 SQZ W/ 50 SXS

SURFACE CASING:
RAN 8 1/4" CSG, SET @ 640'
CMT. W/ 50 SXS., TOC @ 466' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3162'.
CMT W/100 SXS, TOP OF CEMENT @ 2553' (CALC.)

LINER:
RAN 4" LNR @ 3372 – 3058' W/ 150 SXS

PERFORATIONS
3254 TO 3284'

PLUGS:
PLUG #1 – 50 SXS FROM 3272 TO 2709'
PLUG #2 – 50 SXS FROM 2228 TO 2009'
PLUG #3 – PERF BASE OF SALT @ 1470' & SQZ W/ 50 SXS
CMT PLUG FROM 1327' TO 1470'
PLUG #4 – PERF TOP OF SALT @ 685' AND SQZ W/ 120 SXS
PLUG #5 – SET CIBP @ 655'
PLUG #5 – PERF 620' & SQZ W/ 515 SXS & CIRC TO PIT
CMT PLUG FROM 180 TO 620'
PLUG #5 – UNKNOWN PLUG @ SURFACE

02 – Dec – 98

NSLU#80

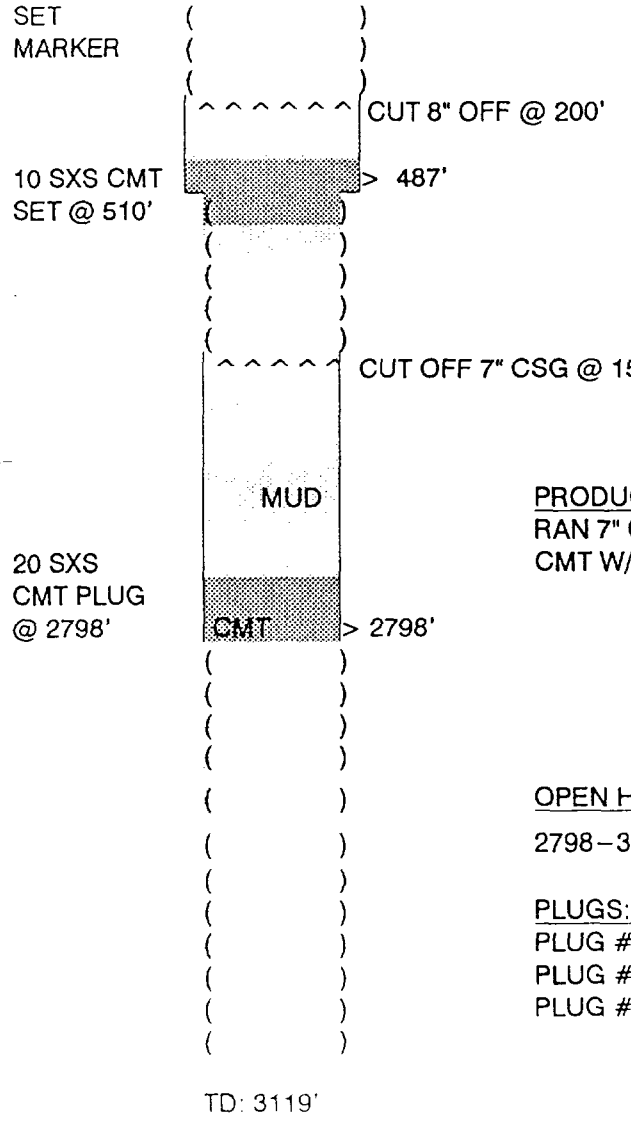
GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

/ELL: STATE B #1
FIELD: SQUARE LAKE
INTERVAL: GB–SA

LOCATION:
660' FNL & 660' FEL
SEC 36, T–16–S, R–30–E
EDDY COUNTY, NEW MEXICO

SURFACE CASING:
RAN 8 1/4" CSG, SET @ 487'
CMT. W/ 50 SXS., TOC @ 313' (CALC.)



PRODUCTION CASING:
RAN 7" CSG, SET @ 2798'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2112' (CALC.)

OPEN HOLE

2798–3119'

PLUGS:
PLUG #1– 20 SXS CMT @ 2798'
PLUG #2– 10 SXS CMT @ 510'
PLUG #3– FILL HOLE WITH MUD & SET REGULATION MARKER

TD: 3119'

04–Dec–98

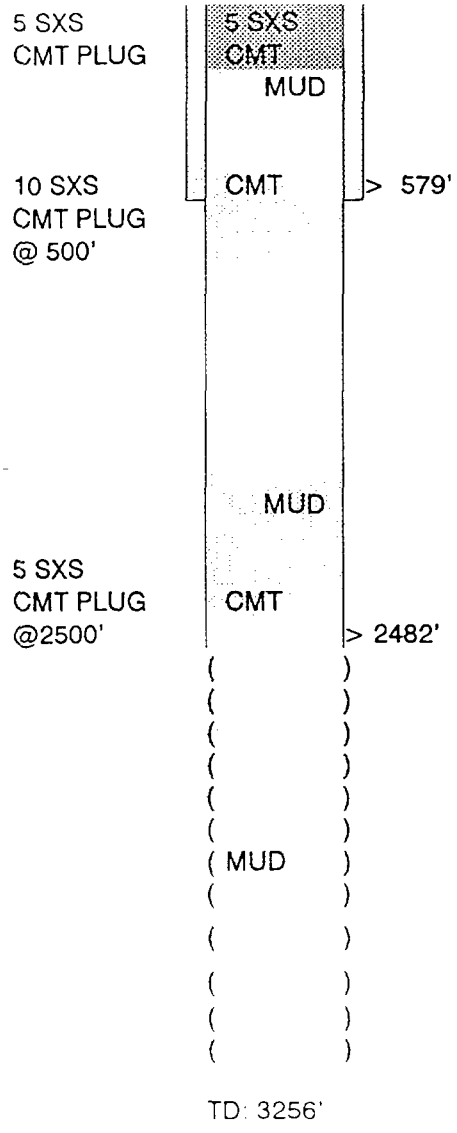
NSLU#96

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER #9
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FNL & 660' FEL
SEC 31, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 1/4" CSG, SET @ 579'
CMT. W/ 25 SXS., TOC @ 492' (CALC.)

PRODUCTION CASING:
RAN 7" CSG, SET @ 2482'.
CMT W/ 100 SXS, TOP OF CEMENT @ 1796' (CALC.)

OPEN HOLE
2482' TO 3256'

PLUGS:
PLUG #1 – 10 SXS @ 2500'
PLUG #2 – 10 SXS @ 500'
PLUG #3 – 5 SXS @ SURFACE

04 – Dec – 98

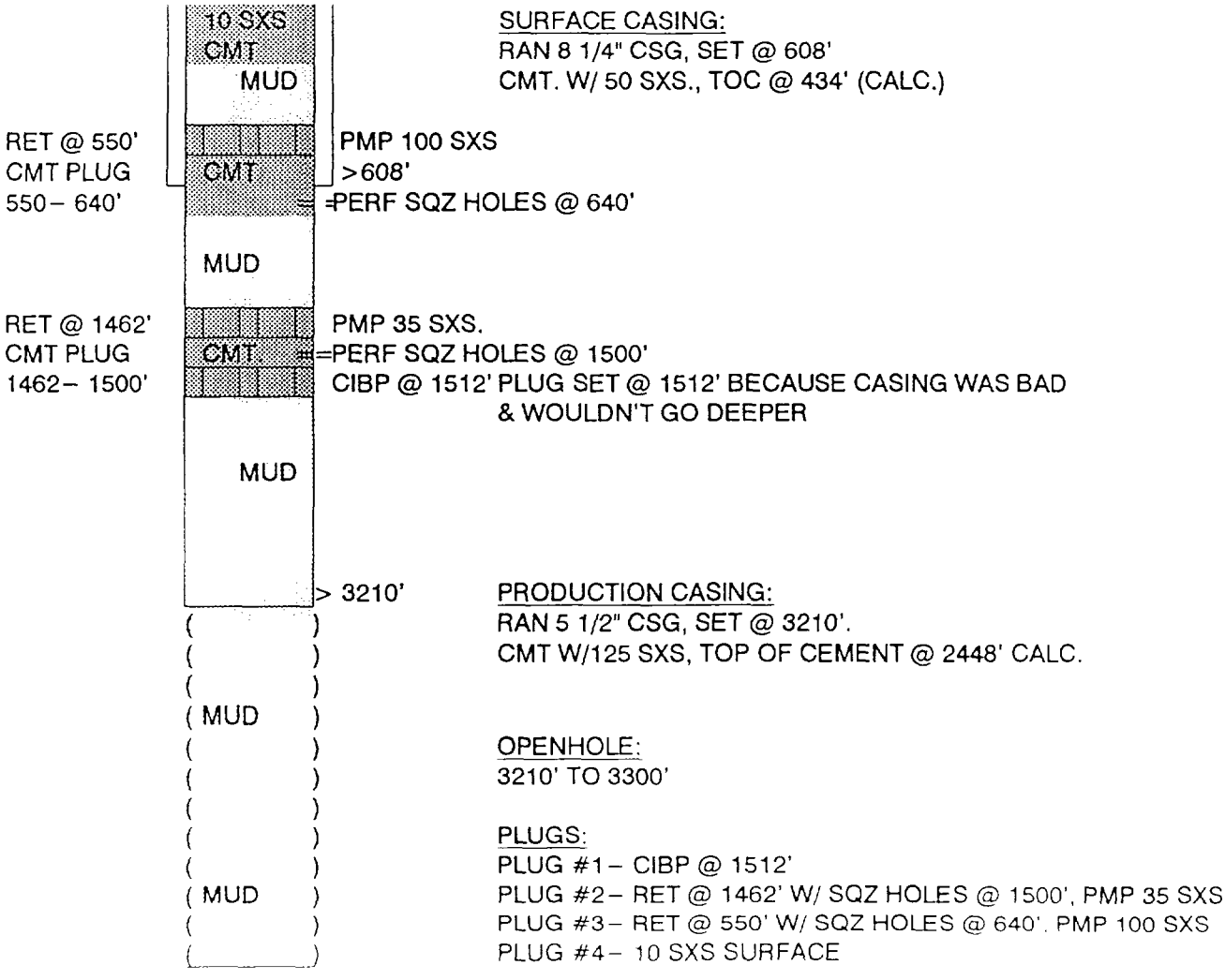
NSLU#103

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: STATE R #1
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FNL & 660' FWL
SEC 32, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 1/4" CSG, SET @ 608'
CMT. W/ 50 SXS., TOC @ 434' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3210'.
CMT W/125 SXS, TOP OF CEMENT @ 2448' CALC.

OPENHOLE:
3210' TO 3300'

PLUGS:
PLUG #1 – CIBP @ 1512'
PLUG #2 – RET @ 1462' W/ SQZ HOLES @ 1500', PMP 35 SXS
PLUG #3 – RET @ 550' W/ SQZ HOLES @ 640', PMP 100 SXS
PLUG #4 – 10 SXS SURFACE

01 – Dec – 98

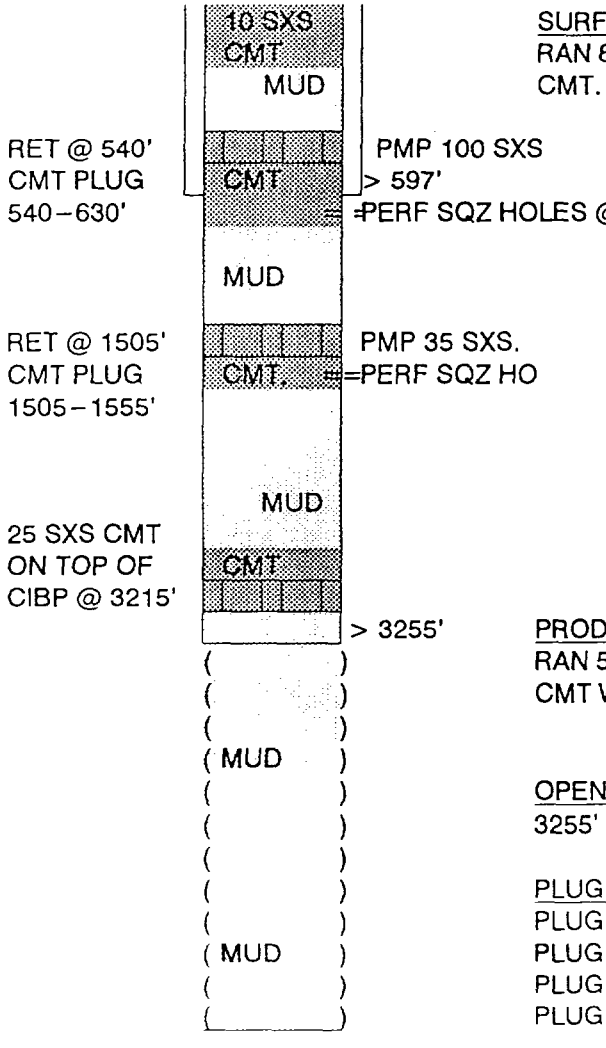
NSLU#104

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: STATE R #3
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FNL & 1980' FWL
SEC 32, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



TD: 3360'

SURFACE CASING:
RAN 8 5/8" CSG, SET @ 597'
CMT. W/ 50 SXS., TOC @ 392' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3255'.
CMT W/100 SXS, TOP OF CEMENT @ 2646' CALC.

OPENHOLE:
3255' TO 3360'

PLUGS:
PLUG #1 – CIBP @ 3215' W/ 25' OF CMT
PLUG #2 – RET @ 1505' W/ SQZ HOLES @ 1555', PMP 35 SXS
PLUG #3 – RET @ 540' W/ SQZ HOLES @ 640', PMP 100 SXS
PLUG #4 – 10 SXS SURFACE

01 – Dec – 98

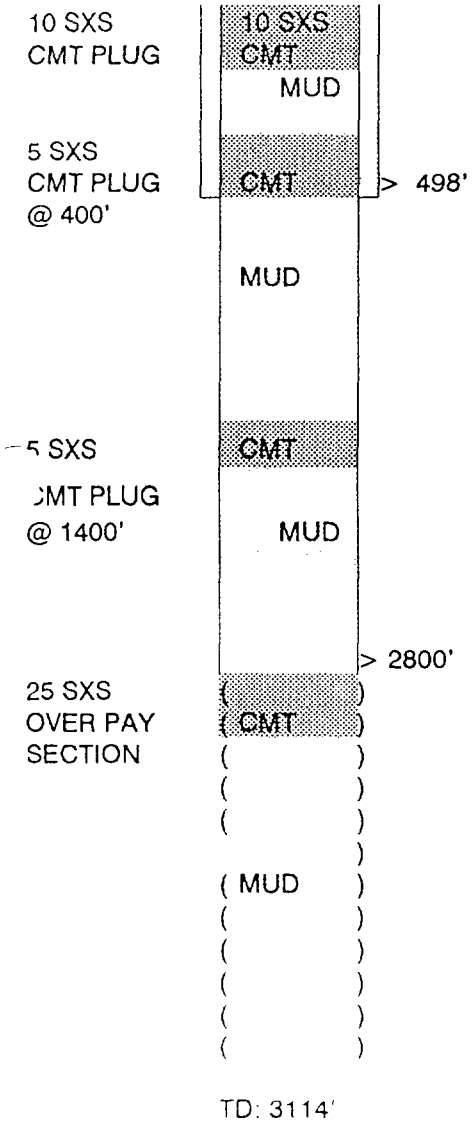
NSLU#105

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: TELLYER STATE #1
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FNL & 660' FEL
SEC 36, T – 16 – S, R – 30 – E
EDDY COUNTY, NEW MEXICO



TD: 3114'

SURFACE CASING:
RAN 8 1/4" CSG, SET @ 498'
CMT. W/ 50 SXS., TOC @ 324' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2800'.
CMT W/ 150 SXS, TOP OF CEMENT @ 1886' (CALC.)

OPEN HOLE
2800' TO 3114'

PLUGS:
PLUG #1 – 25 SXS OVER PAY SECTION
PLUG #2 – 5 SXS @ 1400', BASE OF SALT
PLUG #3 – 5 SXS 400' TOP OF SALT
PLUG #4 – 10 SXS @ SURFACE

04 – Dec – 98

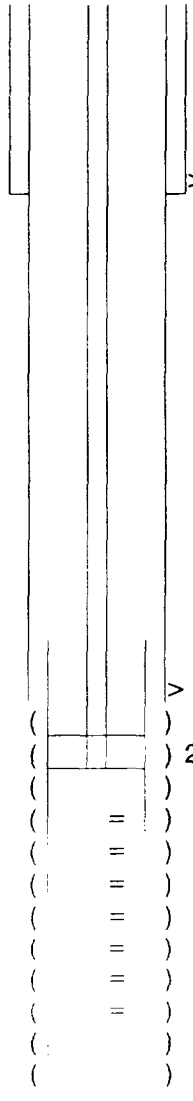
NSLU#122

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER #5
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FNL & 1980' FEL
SEC 31, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 10 3/4" CSG, SET @ 538'
CMT. W/ 50 SXS., TOC @ CIRC' (CALC.)

PRODUCTION CASING:
RAN 7" CSG, SET @ 2985'.
CMT W/100 SXS, TOP OF CEMENT @ 2299' CALC.

PERFORATIONS:
3129 – 3311'

LINER:
SET AT 2933 – 3333 W/ 100 SXS

TD: 3333'

02 – Dec – 98

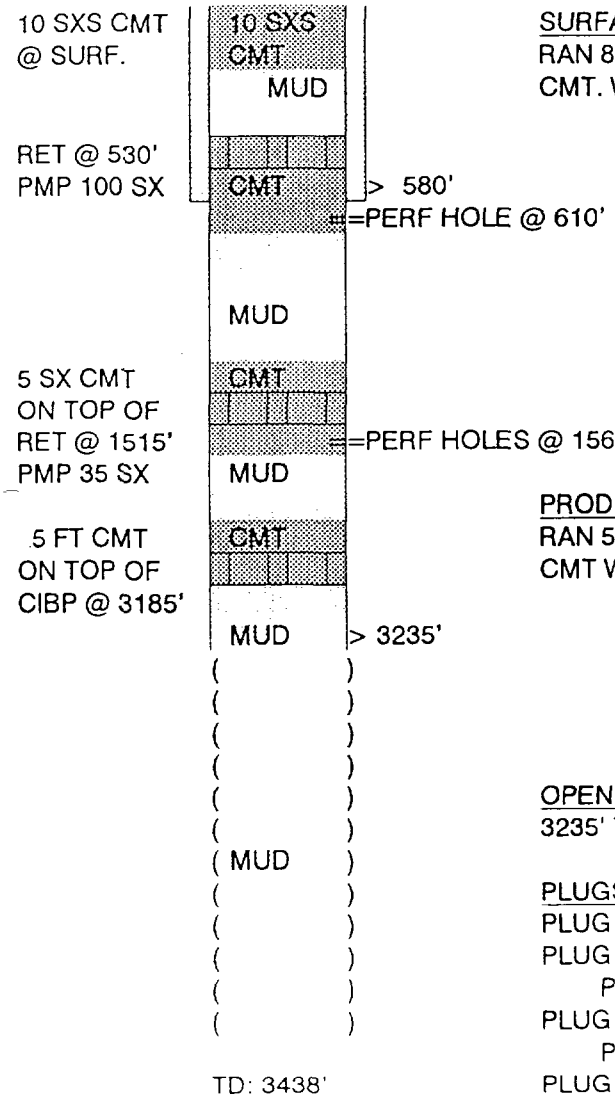
NSLU#126

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

/ELL: STATE R #2
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1650' FNL & 990' FWL
SEC 32, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 5/8" CSG, SET @ 580'
CMT. W/ 50 SXS., TOC @ 375' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3235'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2626' (CALC.

OPEN HOLE
3235' TO 3438'

PLUGS:
PLUG #1 – 25 FT CMT ON CIBP SET @ 3185''
PLUG #2 – PERF HOLE @ 1565', SET RETAINER @
PUMP 35 SXS LEAVING 5 SXS ON TOP OF RET
PLUG #3 – PERF HOLES @ 610', SET RETAINER @
PUMP 100 SXS DISPLACED TO RETAINER
PLUG #4 – 10 SXS @ SURFACE

04 – Dec – 98

NSLU#128

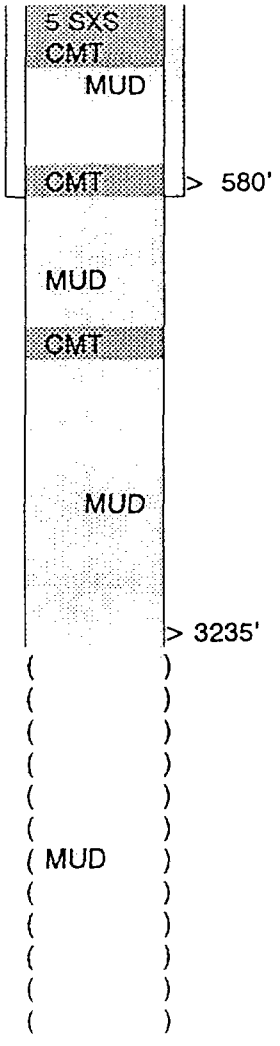
GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

ELL: STATE R #4
FIELD: SQUARE LAKE
INTERVAL: GB–SA

LOCATION:
1980' FNL & 1980' FWL
SEC 32, T–16–S, R–31–E
EDDY COUNTY, NEW MEXICO

THIS WELL WAS RE–ENTERED IN 1959 AFTER ALREADY HAVING BEEN PLUGGED. TWO BAILER AND A STRING OF CABLE TOOLS WERE LOST IN THE HOLE AND THE WELL WAS REPLUGGED AS SHOWN. THE ORIGINAL PLUGGING REPORT IS UNAVAILABLE



TD: 3330'

SURFACE CASING:
RAN 8 5/8" CSG, SET @ 598'
CMT. W/ 50 SXS., TOC @ 393' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3209'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2600' (CALC.)

OPEN HOLE
3209' TO 3330'

PLUGS:
PLUG #1– 10 SXS @ 2500'
PLUG #2– 10 SXS @ 500'
PLUG #3– 5 SXS @ SURFACE

04–Dec–98

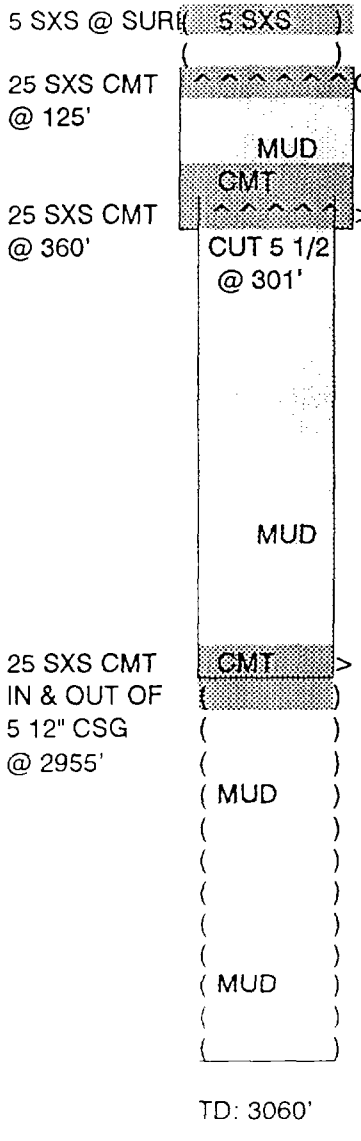
NSLU#129

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER A #1
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FSL & 511' FWL
SEC 31, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 5/8" CSG, SET @ 514'
CMT. W/ 50 SXS., TOC @ 385' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2955'.
CMT W/400 SXS, TOP OF CEMENT @ 519' CALC.

OPENHOLE:
2955' TO 3060'

PLUGS:
PLUG #1 – 25 SXS CMT IN & OUT OF 5 1/2 @ 2954'
PLUG #2 – 25 SXS @ 360'
PLUG #3 – 25 SXS @ 125'
PLUG #4 – 5 SXS SURFACE

01 – Dec – 98

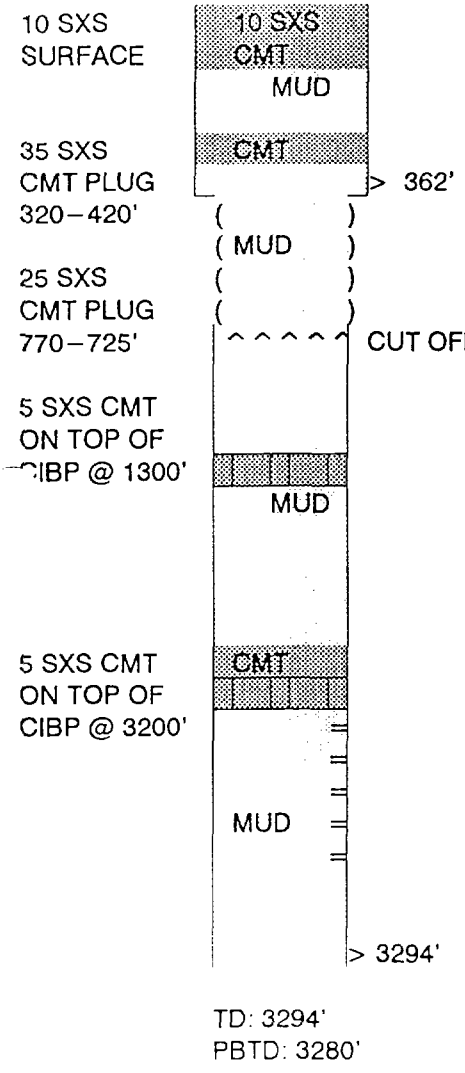
NSLU#143

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: DOOLIN #2
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FSL & 660' FWL
SEC 32, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO



TD: 3294'
PBTD: 3280'

SURFACE CASING:
RAN 9 5/8" CSG, SET @ 362'
CMT. W/ 125 SXS., TOC @ SURFACE (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 3294'.
CMT W/ 125 SXS, TOP OF CEMENT @ 2533' (CALC.)

PERFORATIONS
3214' TO 3265'

PLUGS:
PLUG #1 – 5 SXS ON TOP OF CIBP @ 3200'
PLUG #2 – 5 SXS ON TOP OF CIBP @ 1300'
PLUG #3 – 25 SXS @ 770 – 725'
PLUG #4 – 35 SXS @ 320 – 420'
PLUG #5 – 10 SXS @ SURFACE

04 – Dec – 98

NSLU#146

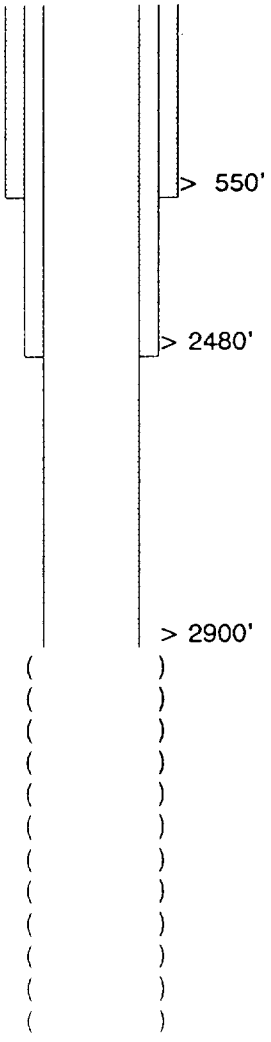
GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: GRIER #3
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
660' FSL & 660' FWL
SEC 31, T – 16 – S, R – 31 – E
EDDY COUNTY, NEW MEXICO

NO PLUGGING REPORT AVAILABLE



SURFACE CASING:
RAN 8" CSG, SET @ 550'
CMT. W/ 50 SXS., TOC @ 376' (CALC.)

INTERMEDIATE CASING:
RAN 7" CSG, SET @ 2480'
CMT. W/ 15 SXS., TOC @ 2377' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2900'.
CMT W/ 100 SXS, TOP OF CEMENT @ 2291' (CALC.)

OPEN HOLE
2900 – 3158'

PLUGS:

04 – Dec – 98

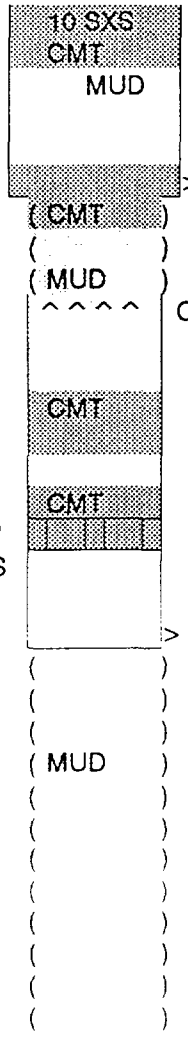
NSLU#158

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: OVERTON ST. #9
FIELD: SQUARE LAKE
INTERVAL: GB – SA

LOCATION:
1980' FSL & 660' FEL
SEC 36, T – 16 – S, R – 30 – E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 5/8" CSG, SET @ 500'
CMT. W/ 50 SXS., TOC @ 295' (CALC.)

PRODUCTION CASING:
RAN 5 1/2" CSG, SET @ 2840'.
CMT W/100 SXS, TOP OF CEMENT @ 2231' (CALC.)

OPEN HOLE
2840' TO 3100'

PLUGS:
PLUG #1 – CIBP @ 2333' W/ 5 SXS CMT
PLUG #2 – 35 SXS @ 1519'
PLUG #3 – 35 SXS @ 565'
PLUG #4 – 10 SXS @ SURFACE

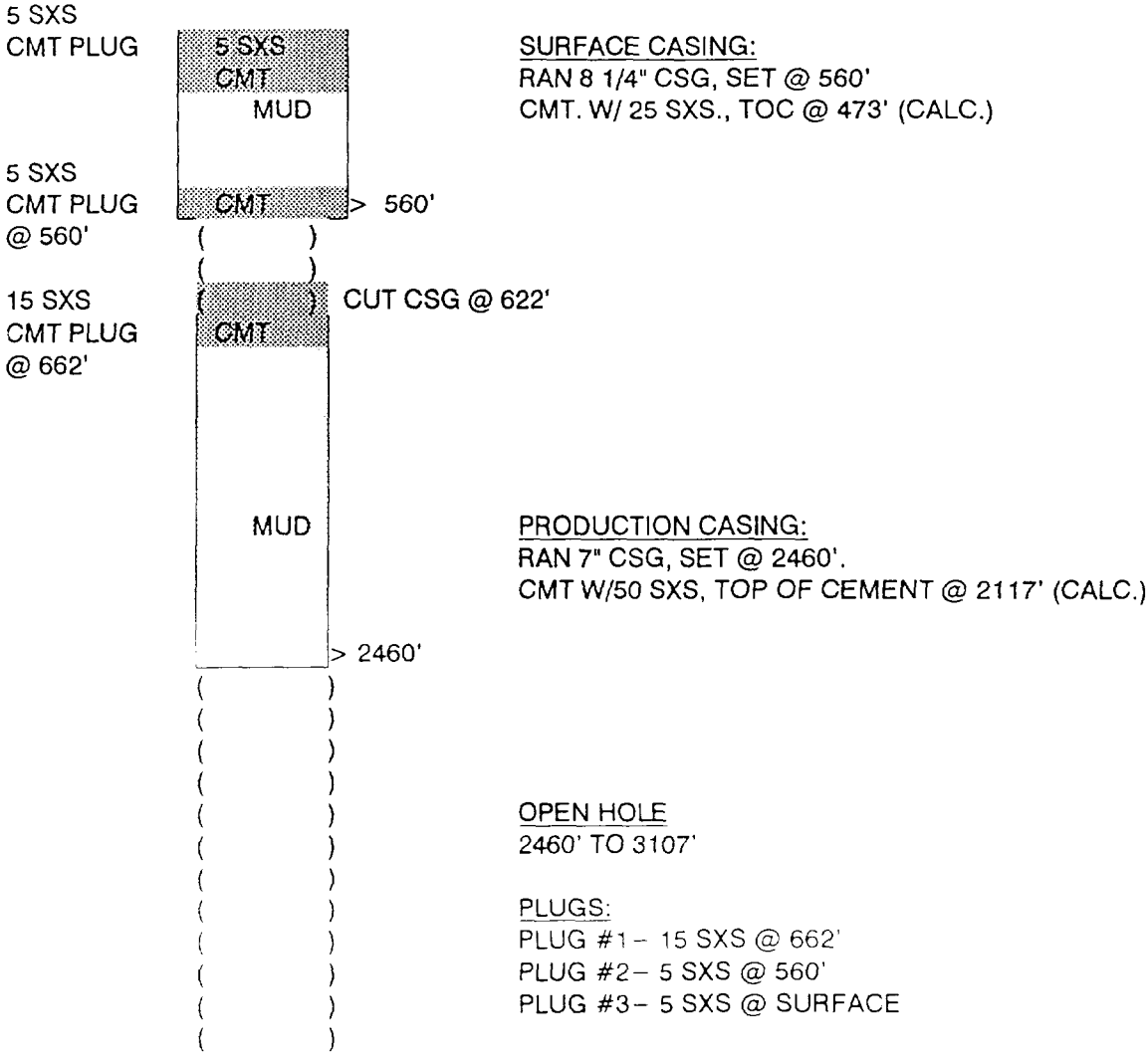
01 – Dec – 98

GP II ENERGY, INC.

P & A WELLBORE DIAGRAM

WELL: TIDEWATER #7
FIELD: SQUARE LAKE
INTERVAL: GB–SA

LOCATION:
1980' FSL & 1980' FEL
SEC 36, T–16–S, R–30–E
EDDY COUNTY, NEW MEXICO



SURFACE CASING:
RAN 8 1/4" CSG, SET @ 560'
CMT. W/ 25 SXS., TOC @ 473' (CALC.)

PRODUCTION CASING:
RAN 7" CSG, SET @ 2460'.
CMT W/50 SXS, TOP OF CEMENT @ 2117' (CALC.)

OPEN HOLE
2460' TO 3107'

PLUGS:
PLUG #1– 15 SXS @ 662'
PLUG #2– 5 SXS @ 560'
PLUG #3– 5 SXS @ SURFACE

TD: 3107'

01–Dec–98