

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rto Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Pride Energy Company PO Box 701950, Tulsa, OK 74170-1950		OGRID Number 151323
Property Code 36381	Property Name "GO" State	API Number 38848
Proposed Pool 1 Quail; Grayburg		Proposed Pool 2 Quail; Queen

7 Surface Location

U/L or lot no. A	Section 13	Township 19S	Range 34E	Lot Idn	Feet from the 543	North/South line North	Feet from the 985	East/West line East	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3,943'
Multiple Yes	Proposed Depth 5,800	Formation San Andres/Grayburg	Contractor unknown	Spud Date ASAP
Depth to Groundwater 60'		Distance from nearest fresh water well 3,843' ±		Distance from nearest surface water none
Pit Liner: Synthetic ☐ mals fluck Clay ☐ Pit Volume ☐ bbls Drilling Method Closed-Loop System ☒ Fresh Water ☐ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	1,871'	900 sx	surface
7 7/8"	5 1/2"	15.50#	5,800'	575 sx	1,500'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill an 11" hole to 1,871'. Run 1,871' of 8 5/8", 24# casing and cmt with 900 sx. circ to surface, drill a 7 7/8" from 1,871' to 5,800', run 5,800' of 5 1/2", 15.50# casing, cmt w/ 575 sx, TOC to be above 1,871', approx. 1,500' ±. The San Andres/Grayburg and/or Queen will be perforated, acidized, fractured and tested. A 5000 # BOP will be used.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

*** Cannot produce
SAN ANDRES
WITHOUT DAC

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed name, John W. Pride		Approved by, 	
Title, Pres. Of Pride Oil & Gas Co., Inc. as Gen. Partner of Pride Energy		Title, PETROLEUM ENGINEER	
Company		Approval Date, MAY 08 2008	
E-mail Address, johnp@pride-energy.com		Expiration Date	
Date, 5/5/08		Phone, (918) 524-9200	
Conditions of Approval Attached ☐			

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38898	Pool Code 5D445	Pool Name Quail; Grayburg
Property Code 36381	Property Name GO STATE	Well Number 2
OGRIID No. 15/303	Operator Name PRIDE ENERGY COMPANY	Elevation 3943'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	19 S	34 E		543	NORTH	985	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LAT-N32°39'58.10" LONG-W103°30'30.30" SPC-N.: 607058.570 E.: 795189.346 (NAD-83)		OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>John W. Pride</i> 5/5/08 Signature Date John W. Pride Printed Name
		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. APRIL 30, 2008 Date Surveyed <i>[Signature]</i> Signature of Registered Professional Surveyor W.O. Jones Professional Surveyor
		Certificate No. Gary L. Jones 7977
		BASIN SURVEYS

Proposed Completion

KB: 3955.0'

DF: 0.0'

GL: 3943.0'

Datum: 12.0' above GL

Surface Casing 8 5/8", 24#,
to 1,871' in 11" hole
cmt'd w/ 900 sx
TOC @ surf.

"GO" State #2

John Pride 5/5/08

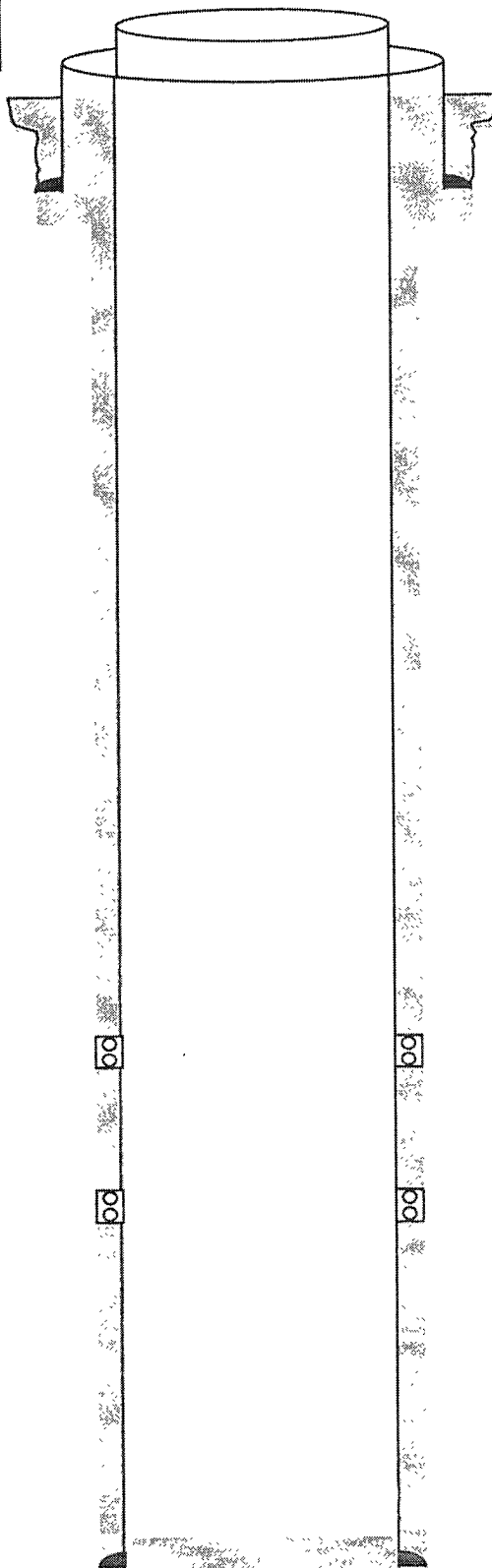
API # 30-025-

543' FNL & 985' FEL

Sec 13-T19S-R34E

Lea Co, NM

(in Unit Letter A, NE NE)



Queen Perfs

San Andres/Grayburg Perfs

5 1/2", 15.50#, J-55, 5,800' in
7 7/8" hole cmt. w/ 575 sx
TOC @ 1,500'

TD = 5,800'

Pride Energy Company
Drilling Procedure
GO State #2
Unit A, Section 13-T19S-R34E
543' FNL & 985' FEL
(in NE ¼ of NE ¼)
Lea County, NM

Pride Energy Company
POB 701950
2250 East 73rd Street, Suite 550
Tulsa, OK 74170
918 524 9200 office
918 524 9292 fax

May 5, 2008

Project: Drill well to 5,800 and test the San Andres/Grayburg & Queen

String	Diameter'	Weight	Depth
Surface Casing	8 5/8"	24 ppf	1,871'
Production Casing	5-1/2"	15.50 ppf	5,800'

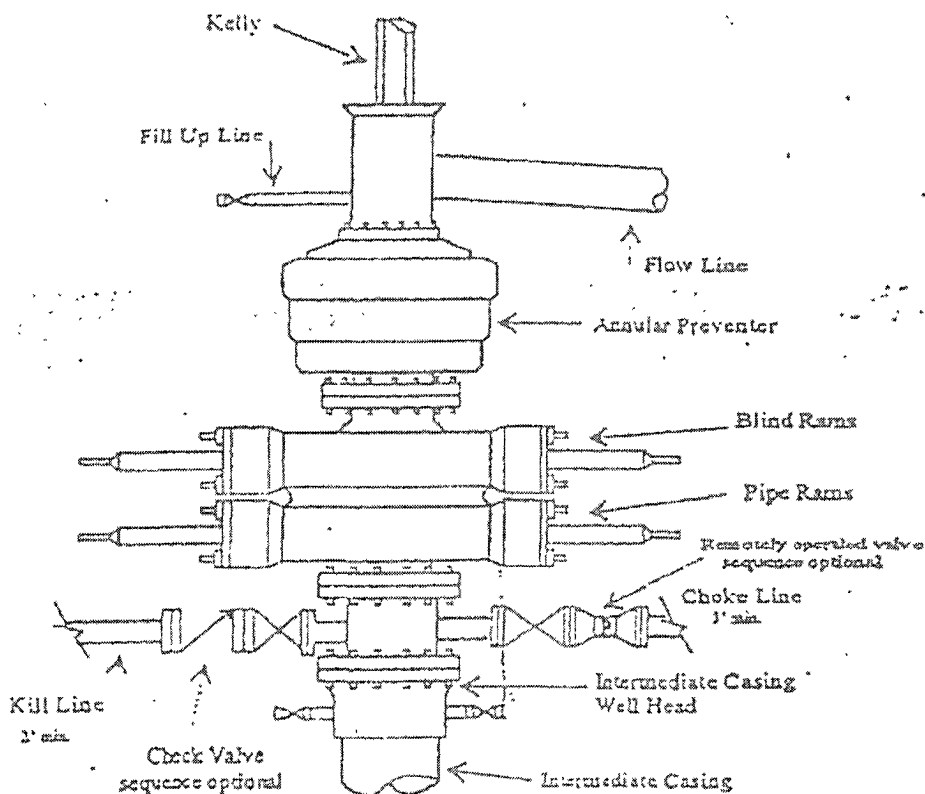
Procedure:

1. Grade & build road and location. Dig and board a cellar around the well. Drill mouse hole & rat hole.
2. Rig-up a rotary drilling rig.
3. Run a 11" rock bit and drill 1,871'.
4. Run 8 5/8" casing to 1,871' & cement w/ 900 sx cmt.
5. Run a 7 7/8" bit and drill to 5,800'.
6. Condition the mud. Run laterolog, gamma-ray, neutron, density logs.
7. Run 5,800' of 5 1/2", 15.50#/ft, J-55, 8rd, LT&C casing.
8. Cement to above 1,871', flush with 2% KCl water. Rig-down and clean the location.
9. Run a GR-CBL.
10. Rig-up a work-over rig.
11. Install the tree. Swab the fluid level to 3,000'. Perforate at _____ (determine after logging). Attempt to swab dry.
12. Acidize w/ _____ gals 15% HCL. Fracture stimulate if necessary.
13. Run _____ of 2 3/4" J-55 tubing, a rod string and downhole pump.
14. Move in pumping unit.
15. Production Test.

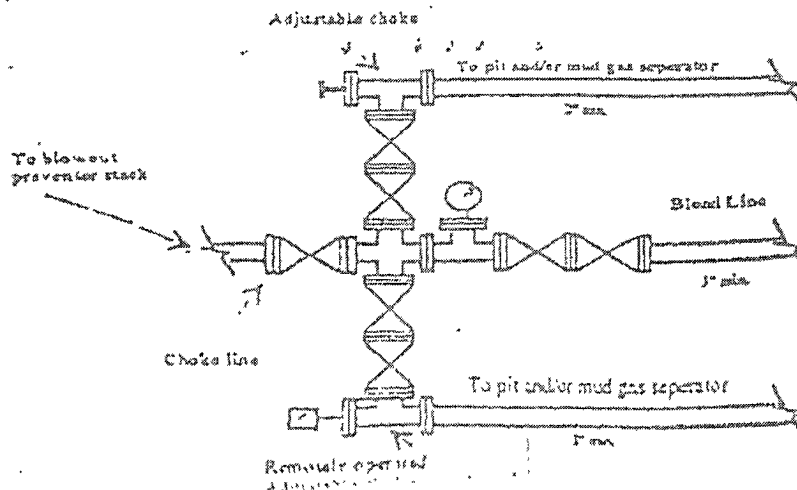


PRIDE ENERGY COMPANY
 Typical 5,000 psi Pressure System
 Schematic
 Annular with Double Ram Preventer Stack

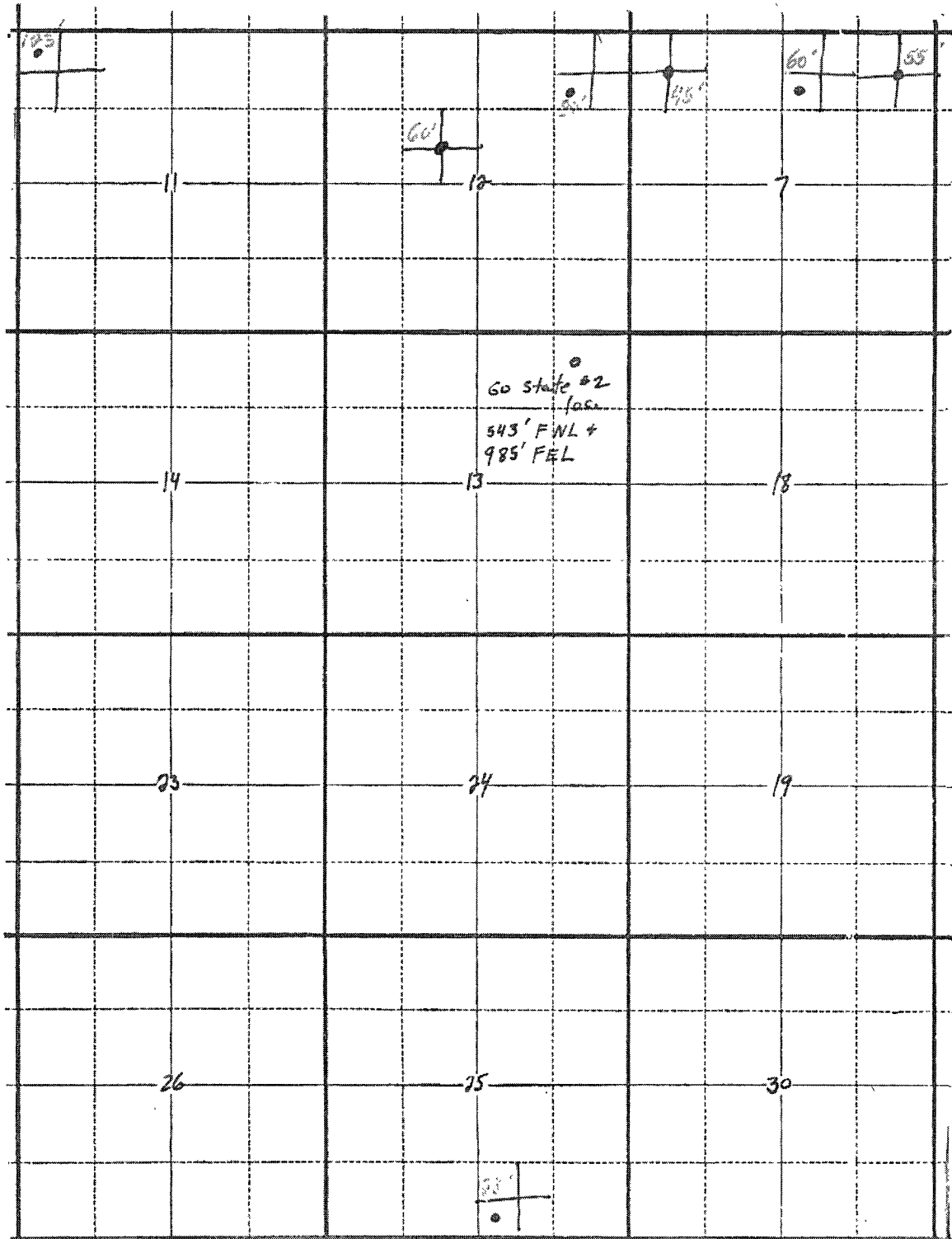
BOP-4



Typical 5,000 psi choke manifold assembly with at least these minimum features



GO State #2 - 543' FNL + 985' FEL - Sec. 13-19S-34E
Depth to Water Plat
Lea County, NM



19S-34E ← → 19S-35E

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 34E Sections:

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 05/05/2008

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	19S	34E	25				1	28	28	28
L	19S	34E	02				1	100	100	100
L	19S	34E	03				1	110	110	110
L	19S	34E	11				2	123	123	123
L	19S	34E	12				3	60	80	67

Record Count: 8

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 34E Sections:

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First): (Last): ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

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Clear Form

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Help

WATER COLUMN REPORT 05/05/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
CP 00875	19S	34E	05	3	4	3				200		
CP 00683	19S	34E	25	4	3	3				120	28	92
L 10380	19S	34E	02	4	4	3				153	100	53
L 07213	19S	34E	03	4	2	4				160	110	50
L 04723	19S	34E	11	1	1	1				145	123	22
L 04723 APPRO	19S	34E	11	1	1	1				145	123	22
L 04059 APPRO	19S	34E	12	1	4					125	60	65
L 04059	19S	34E	12	1	4					125	60	65
L 06731 (E)	19S	34E	12	2	2	3				120	80	40

Record Count: 9

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 35E Sections:

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

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Help

WATER COLUMN REPORT 05/05/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
L 05339	19S	35E	01							128	93	45
L 02359	19S	35E	01	1	3	3				60	28	32
L 02359 APPRO	19S	35E	01	1	3	3				60	28	32
L 03945 APPRO	19S	35E	01	2	2	3				125	70	55
L 03945	19S	35E	01	2	2	3				125	70	55
L 09103	19S	35E	04	4	3					140	70	70
L 09294	19S	35E	04	4	4	1				150		
L 09428	19S	35E	05	1	4	3				130		
L 05178	19S	35E	05	2	4					142	85	57
L 09347 (1)	19S	35E	05	4	2	2				94	55	39
L 03887 APPRO	19S	35E	05	4	2	2				90	55	35
L 03887	19S	35E	05	4	2	2				90	55	35
L 11281	19S	35E	05	4	2	4				102		
L 05220	19S	35E	06							100	55	45
L 04211	19S	35E	06	3	1					130	60	70
L 04211 APPRO	19S	35E	06	3	1					130	60	70
L 03145	19S	35E	07	1	1					97	45	52
L 03145 APPRO	19S	35E	07	1	1					97	45	52
L 05246	19S	35E	07	2	1	3				100	60	40
L 05217	19S	35E	07	2	2					105	55	50
L 04276	19S	35E	08	4	2					57	18	39
L 04808	19S	35E	08	4	3	3				80	53	27
L 11560	19S	35E	13	4	4					39	27	12
L 06801	19S	35E	14							92		
L 09700	19S	35E	14	1	1					140	27	113
L 08793	19S	35E	15	2	1					50	40	10
L 09468	19S	35E	15	3	3					52	28	24
L 04583 APPRO	19S	35E	15	3	4					55	18	37
L 04583	19S	35E	15	3	4					55	18	37
L 09569	19S	35E	17	3	4					80	30	50
L 03844	19S	35E	22	3	1					71	27	44
L 03844 APPRO	19S	35E	22	3	1					71	27	44
L 04101 APPRO	19S	35E	22	3	3					50	35	15
L 04101	19S	35E	22	3	3					50	35	15
L 02250	19S	35E	22	3	3	1				50	20	30
L 02250 APPRO	19S	35E	22	3	3	3				50	20	30
L 02183 POD1	19S	35E	24	2	2	2				40		
L 11510	19S	35E	27	2	3					42		

Record Count: 38

**New Mexico Office of the State Engineer
POD Reports and Downloads**

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County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

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AVERAGE DEPTH OF WATER REPORT 05/05/2008

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	19S	35E	01				5	28	83	56
L	19S	35E	04				1	70	70	70
L	19S	35E	05				4	55	85	63
L	19S	35E	06				3	55	60	58
L	19S	35E	07				4	45	60	51
L	19S	35E	08				1	18	18	18
L	19S	35E	10				1	53	53	53
L	19S	35E	13				1	27	27	27
L	19S	35E	14				1	27	27	27
L	19S	35E	15				4	18	40	26
L	19S	35E	17				1	30	30	30
L	19S	35E	22				6	20	35	27

Record Count: 32