

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ Yes ☒ No
- II. OPERATOR: Celero Energy II, LP
ADDRESS: 400 W. Illinois, Ste. 1601 Midland TX 79701
CONTACT PARTY: M. W. Metza or D.R. Catanach Cell # (432) 556-0814 PHONE: (505) 690-9453
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ Yes ☒ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: M. W. Metza

TITLE: Sr. Production Engineer

SIGNATURE: M. W. Metza

DATE: 10/10/2012

E-MAIL ADDRESS: mmetza@celeroenergy.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, please show the date and circumstances of the earlier submittal: _____

Oil Conservation Division
Case No. 9
Exhibit No. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate agency.

ted.

R-1145
R-972 Core 1195 4/5/57
R-972-A Core 1433 5/28/58

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

North Caprock Celero Queen Unit-Attachment to NM Form C-108

Data for Items VII (Proposed Operation), VIII (Geologic Data), IX (Stimulation Program), and XI (Fresh Water Wells).

Lease Location: All or portions of Sec. 31 and 32, T12S, R32E, and all or portions of Sec. 5, T13S, R32E, Lea County, NM

Operator: Celero Energy II, LP

VII. Data on the Proposed Operation:

1. The proposed average water injection rate is 500 BWPD per well, and the proposed maximum injection rate is 1000 BWPD per well.

This is part of a Secondary Oil Recovery Project in which Celero plans to inject produced and fresh water (if needed) into the Queen formation. The project involves re-entering 13 plugged and abandoned wells located in sections 31 and 32, T12S, R32E and section 5, T13S, R32E. Initially, Celero plans to re-enter 5 wells; one well will be completed as an injection well (State 32, #4) and four wells will be completed as producing wells (State 32, nos. 1, 2, and 3, and the State 31, no. 1). After roughly six months, Celero plans to re-enter the State 32, nos. 5, and 11, and the State 31, no. 2 and complete them as injection wells. After another six months or so, Celero intends to re-enter the State 32, nos. 6 and 8 and complete them as injection wells. In the following six months, Celero plans to re-enter the State 31, nos. 5 and 3 and complete them as injection wells. Lastly, after another 6 months or so, Celero intends to re-enter the State 5, no. 1 and complete it as an injection well. Ultimately, the project will consist of 9 injection wells and 4 producing wells.

2. The injection system will be closed. Produced water will be recovered and reinjected into the Queen Formation. Make-up water will be piped as needed to the project area from the Celero-operated Rock Queen Unit to the south; if needed, fresh water may be used from Celero-operated wells to the south and east of the project.

Production, injection, and related facilities will be located on or near the well pad for the State 32, #4.

3. The proposed average and maximum water injection pressure is 600 psi. This pressure is what would normally be allowed using the traditional calculation of $0.2(\text{psi/ft}) \times 3000(\text{ft})$.
4. The source water for the NCCQU project will be recycled produced water and fresh water (Ogallala formation) from local wells along with produced water make-up from the Celero-operated Rock Queen Unit to the south. Produced water from the proposed NCCQU is not available; however, we have attached a water analysis from the Celero-operated Rock Queen Unit well 84 which will likely approximate the produced water from the NCCQU. We do not anticipate any compatibility problems using fresh water.

VIII. The Geologic Data:

- Geologic Age: Permian
- Geologic Name: Queen Formation (a member of the Artesian Group)

Data for Items VII (Proposed Operation), VIII (Geologic Data), IX (Stimulation Program), and XI (Fresh Water Wells).

Lease Location: All or portions of Sec. 31 and 32, T12S, R32E, and all or portions of Sec. 5, T13S, R32E, Lea County, NM

Operator: Celero Energy II, LP

VIII. The Geologic Data:

- Average Thickness: 15 feet
- Lithology: Shaley sandstone
- Measured Depth: 3000' to 3050'
- Sources of underground drinking water: Ogallala formation at depths to 190'.

IX. Data on the Proposed Stimulation Program:

- Celero will initially attempt to produce or inject into these wells without additional stimulation treatments.
- Should a stimulation treatment become necessary, then a mild 7 ½% NEFE HCL treatment with appropriate additives will be used.
- In the event a mild acid treatment is not adequate, then a gelled water/proppant hydraulic fracture treatment would be considered.

XI. Data on the Fresh Water Wells: Analyses on three water wells that Celero was able to locate in the general area are attached. The wells are located in sections 6 (SW4/SW4) and 7(SE4/NE4) of T13S, R32E, and section 36 (NE4/NE4) of T12S, R31 E.

INJECTION WELL DATA SHEET

OPERATOR: Celero Energy II, LP

WELL NAME & NUMBER: State 32 No. 4 (API No. 30-025-00209)

WELL LOCATION: 1980' FSL & 660' FWL L 32 12 South 32 East
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See Attached Wellbore Schematics

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 13 3/4" Casing Size: 10 3/4"
Cemented with: 250 Sx. or ft³
Top of Cement: Surface Method Determined: Circulated

Production Casing

Hole Size: 8 3/4" Casing Size: 7"
Cemented with: 600 or ft³
Top of Cement: 348' Method Determined: Calculated

Production Liner

Hole Size: 6 1/8" Casing Size: 5 1/2"
Cemented with: 38 Sx. or ft³
Top of Cement: 2,983' Method Determined: Circulated

Total Depth: 3,043' PBTD: **2963**

Injection Interval

Queen Formation: 3,013'-3,043' Open Hole **3093**

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Internally Plastic Coated

Type of Packer: Tension – Set AD-1 or equivalent

Packer Setting Depth: 2,950' or within 100' of the open-hole injection interval

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

1. Is this a new well drilled for injection: Yes X No

If no, for what purpose was the well originally drilled: Well was originally drilled as a producing well in the Caprock-Queen Pool

2. Name of the Injection Formation: Queen

3. Name of Field or Pool (if applicable): Caprock-Queen Pool (8551)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

None

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

None

CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32(formerly NCQU 1 TR 11 SEC 32L #12)
COUNTY: Lea

DATE: 30-Sep-12
BY: MWM
WELL: 4
STATE: New Mexico

Location: 1980' FSL & 660' FWL, Sec 32L, T12S, R32E

SPUD: 2/48 COMP: 3/48

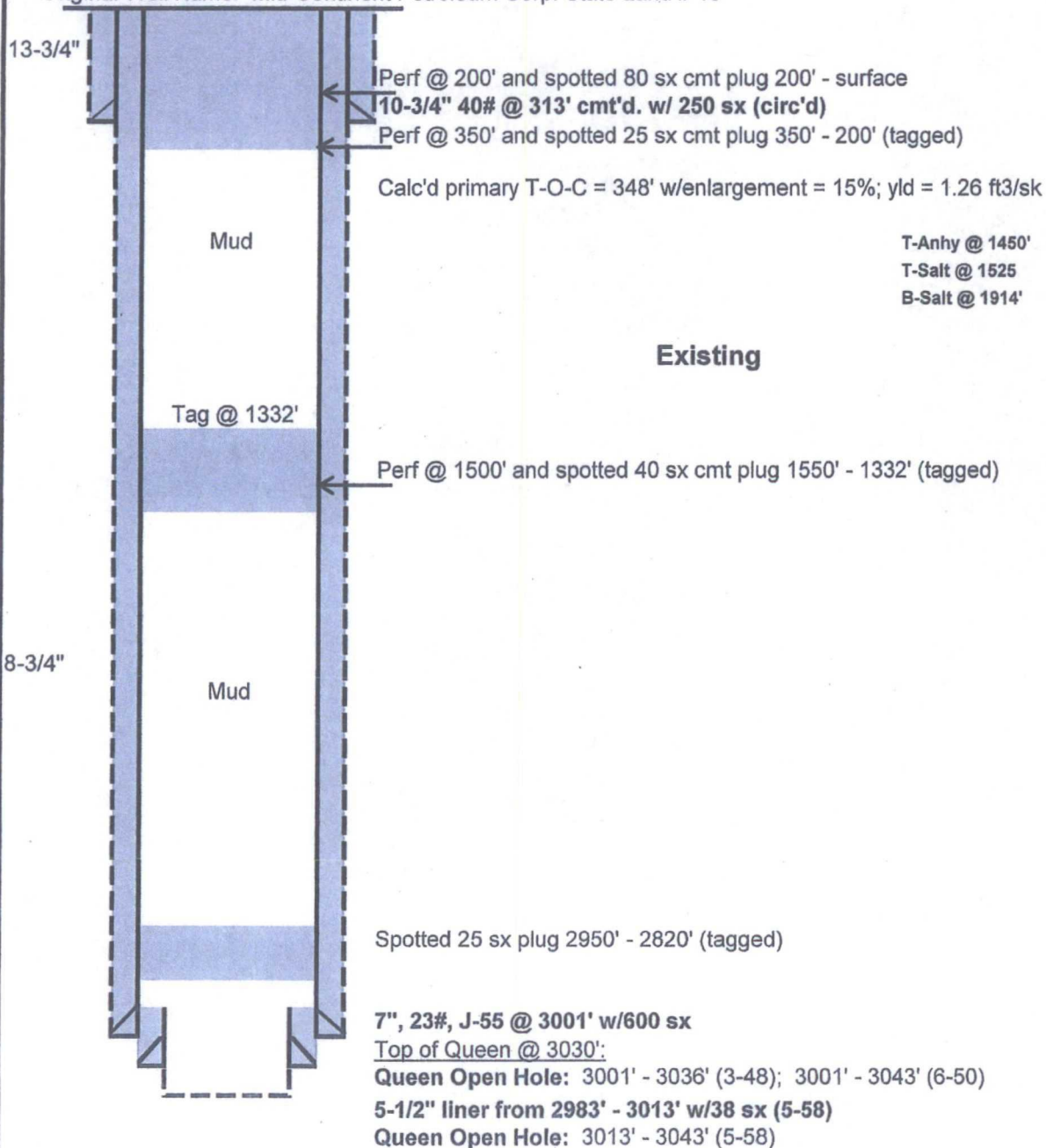
CURRENT STATUS: P&A Injector (09-04)

Original Well Name: Mid-Continent Petroleum Corp. State Land # 13

KB =

GL = 4372' top CHF

API = 30-025-00209



PBTD - 3043'
 TD - 3043'

Well History:

State 32, #4 (formerly NCQU 1 TR 11 SEC 32L #12)

- (3-48) - Initial Completion:** Orig comp in open hole sec 3001' - 3036'. IP 72 BOPD and 0 BWPD.
- (6-50) - Workover:** CO well to TD @ 3036' and deepen well to new TD @ 3043'. RWTP.
- (3-58) - Change:** Entered into NCQU #1 as well NCQU #1, 32-12 operated by Graridge Corp.
- (5-58) - Convert to Injector:** CO well to TD @ 3043'. Ran 30' of 5 1/2" liner to 3013' and cemented with 38 sx cmt. TOL @ 2983'. Drilled out and cleaned out well. Converted well to water injection 7/23/58.
- (5-65) - Change:** Operator change to Petroleum Corp. of Tx.
- (5-66) - Change:** Operator change to American Petrofina Co. of Tx.
- (8-70) - Change** Operator change to Tom Bius.
- (4-71) - Change** Operator change to Thunderbird Oil Corp.
- (2-75) - Propose P&A** Proposal to P&A by C&P 7" casing.
- (3-75) - Change** Operator change to Vega Petroleum Corp.
- (9-76) - Change** Operator change to Layton Enterprises, Inc.
- (1-83) - Change** Operator change to Murphy Operating Corp.
- (11-95) - Change** Operator change to Secondary Oil Corp.
- (12-97) - Change** Operator change to Sierra Blanca Operating Company.
- (09-04) - P&A Well:** Spot 25 sx @ 2950', tag at 2820'. Attempt to test csg, leaked, could not get packer past 20'. Perf at 1500', spot 40 sx at 1550', tag at 1332. Casing would not test. Perf at 350', spot 25 sx at 350', tag at 200'. Perf @ 200', spot 80 sx leaving casing and backside full, set marker. By Mayo Marrs (NMOCD) 9/21/04.

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: NORTHEAST CAPROCK QUEEN UNIT
Well: # 12
Operator: SIERRA BLANCA OPERATING CO.
Project: P & A -
Contract: 04-521-0750-0116
IFB #: 40-521-07-00223

30-025-00209

BID = \$ 13,573.00

9-17-04 (4)
MIRU - WELD ON 7" THREADS - NUBOP -

9-20-04 (12)
RIH WITH GAUGE RING TO 20' - POOH - RIH WITH MMCPI TUBING & SPOT 25 SXS @ 2950'
POOH - WOC - RIH & TAG @ 2820' - CIR. 10# MUD - WELL CIRCULATED - TRY TO TEST
CASING - NO TEST - HOLE IN CASING - RIH WITH PACKER & LOCATE HOLE - CAN NOT
GET PAST 20' - CALL BILL PRITCHARD - OK - RIH & PERFORATE @ 1500' - RIH & SPOT 40
SXS @ 1550' - POOH - CLOSE IN WELL

9-21-04 (12)
RIH & TAG @ 1332' - TRY TO TEST CASING - NO TEST - POOH - PERFORATE @ 350' - RIH &
SPOT 25 SXS @ 350' - POOH - WOC - RIH & TAG @ 200' - BILLY PRITCHARD WANTS TO
REPERF - PERFORATE @ 200' - RIH & SPOT 80 SXS CEMENT TO SURFACE ON BACKSIDE
LEAVING CASING FULL - RIG DOWN - CUT OFF WELLHEAD & ANCHORS - INSTALL DRY
HOLE MARKER - COVER PIT & CELLAR - MOVE OUT

1 HR RIG FOR EXTRA PERF & CEMENT
1 - EXTRA PERF @ 200'
74 SXS CEMENT @ 10.00/SACK
(BID 96 USED 170 SXS)

.. \$ 170.00
.. \$ 450.00
.. \$ 740.00

CREDIT:

COST = \$ 14,933.00

MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745

NEW MEXICO OCD HOBBS
BID ID # 40-521-07-00223
CONTRACT # 04-521-0750-0116

OPERATOR: SIERRA BLANCA OPERATING CO.
Lease: ~~NORTHEAST~~ CAPROCK QUEEN UNIT # 12
Project: P & A – CEMENTING REPORT

09-20-04 – SPOT 25 SXS @ 2950'-2820' & TAG
09-20-04 – SPOT 40 SXS @ 1550'-1332' & TAG
09-21-04 – TEST CASING TO 1000#
09-21-04 – SPOT 25 SXS @ 350'-200' & TAG
09-21-04 – SPOT 80 SXS @ 200' TO SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

CELERO ENERGY

FIELD:

Caprock

DATE: 30-Sep-12

LEASE/UNIT:

State 32(formerly NCQU 1 TR 11 SEC 32L #12)

BY: MWM

COUNTY:

Lea

WELL: 4

STATE: New Mexico

Location: 1980' FSL & 660' FWL, Sec 32L, T12S, R32E

KB =

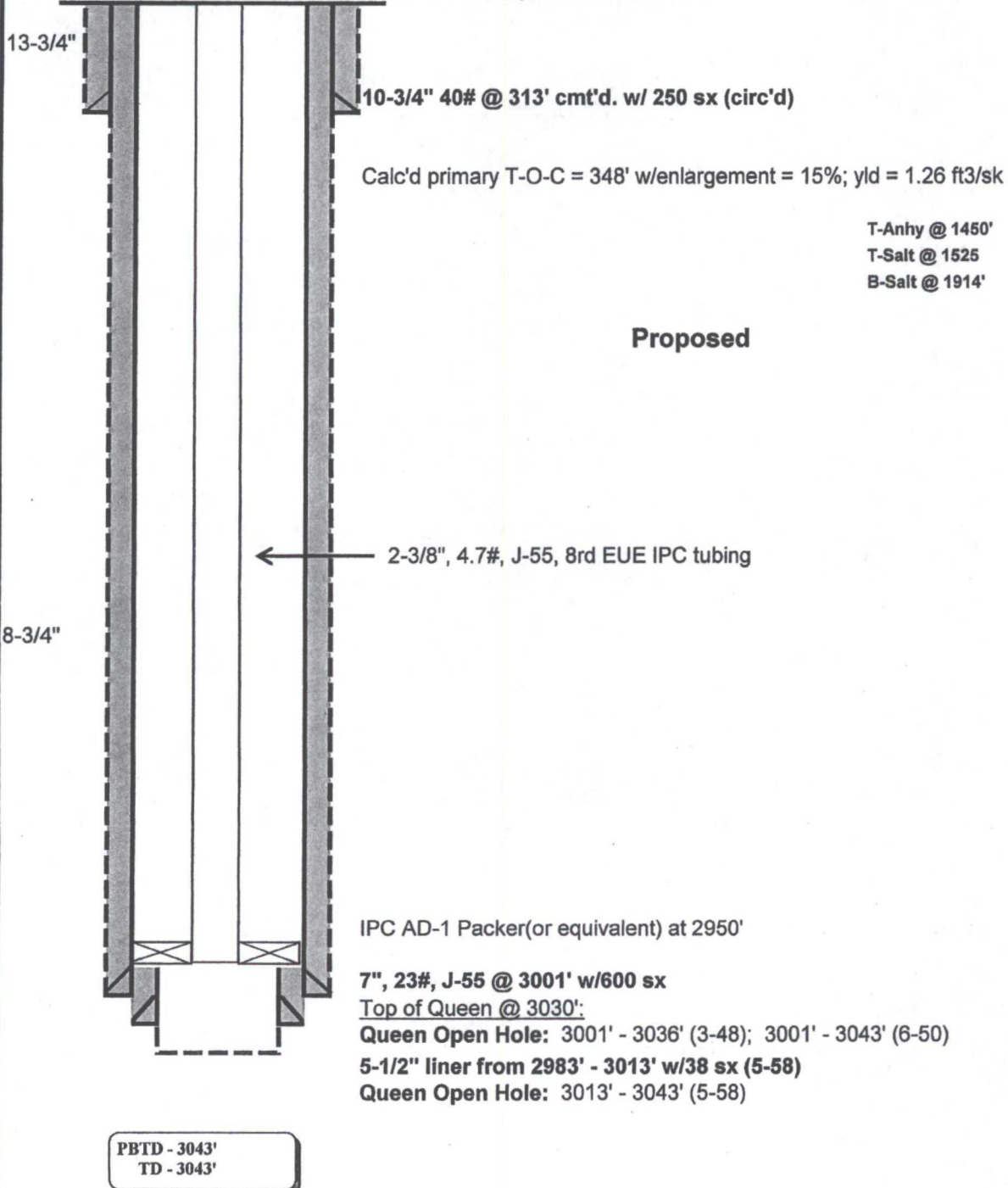
SPUD: 2/48 COMP: 3/48

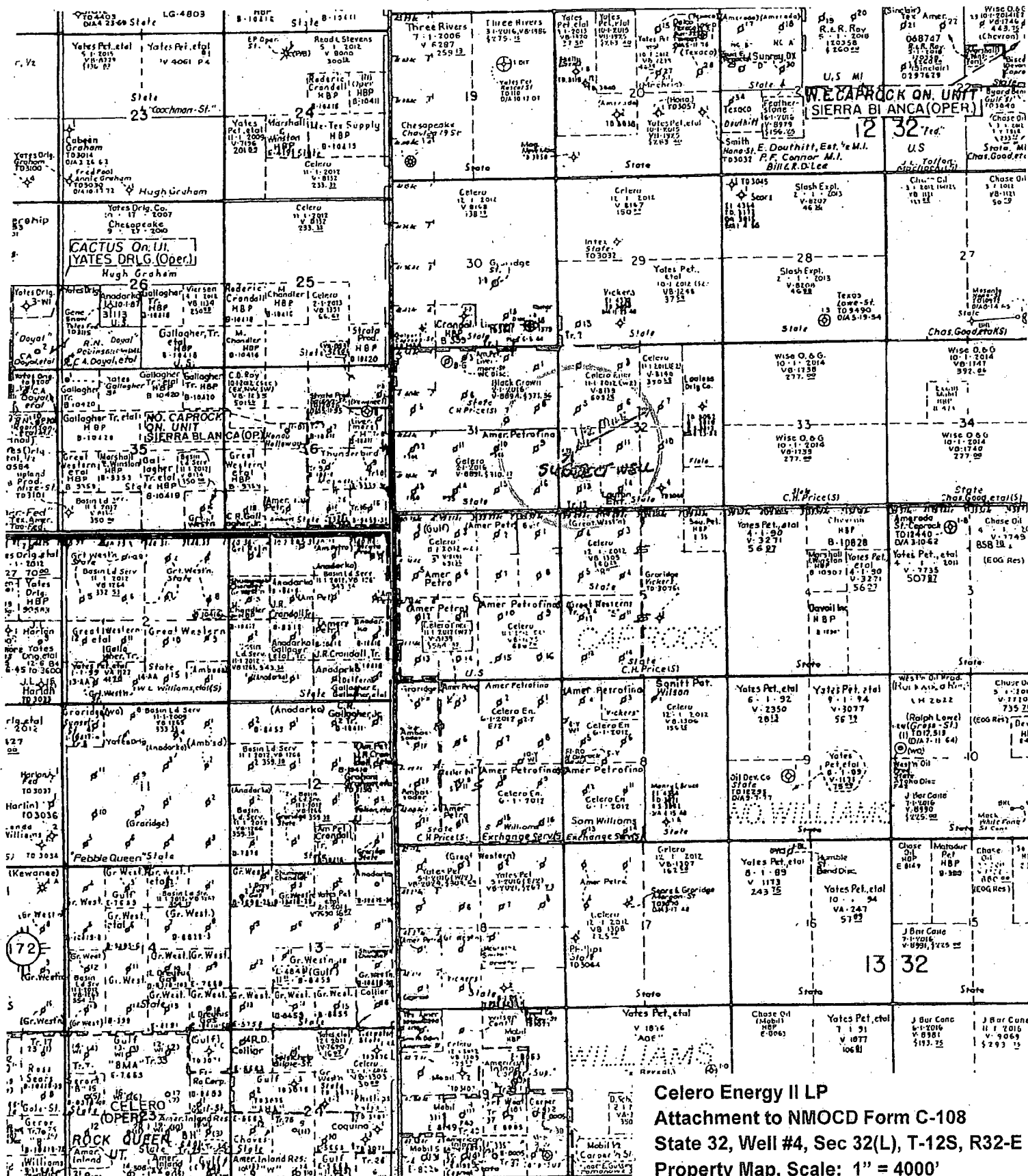
GL = 4372' top CHF

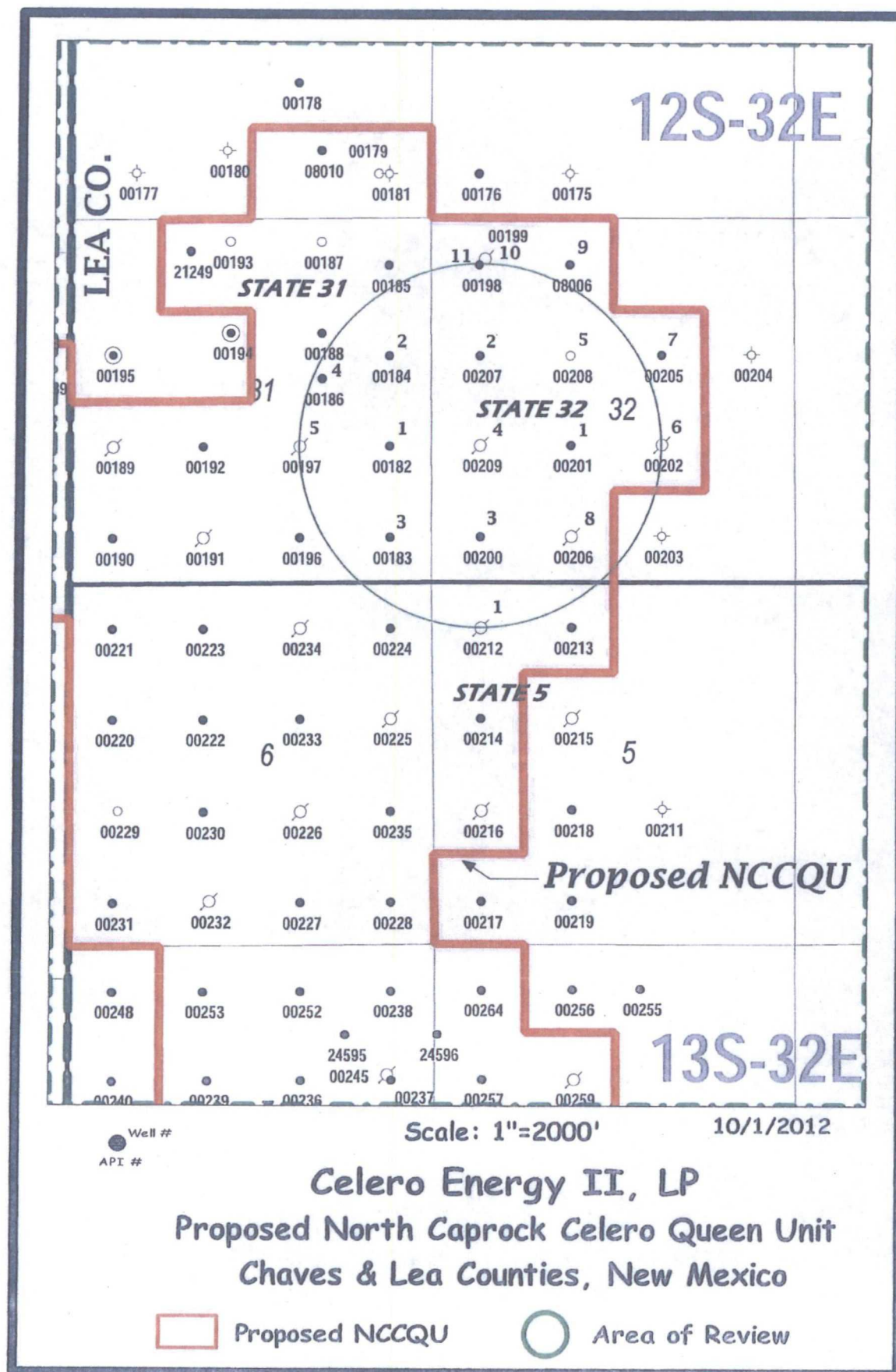
CURRENT STATUS: P&A Injector (09-04)

API = 30-025-00209

Original Well Name: Mid-Continent Petroleum Corp. State Land # 13







Celero Energy II, LP

Attachment to New Mexico Form C-108, Wells Within Area-of-Review, N. M. State 32, Well #4

				Well construction							Date Drilled (mm/yy)	Total Depth (ft)	Completion Depth	
		Location		Well Type	Surface Casing			Production casing/lnr					Type	Interval
L & W Name	API Number	Footage	UL-S-T-R		Size-wght	Depth	Sx cmt	Size-wght	Depth	Sx cmt				
State 32, #1	30-025-00201	1980 FSL & 1980 FWL	K-32-12S-32E	P&A	8-5/8"-28#	308	150	5-1/2"-15#	3015	600	Apr-48	3035	O-H	3015'-3035'
State 32, #2	30-025-00207	1980 FNL & 660 FWL	E-32-12S-32E	P&A	9-5/8"-40#	313	175	5-1/2"-14#	3021	700	Jun-48	3024	O-H	3021'-3024'
State 32, #3	30-025-00200	660 FSL & 660 FWL	M-32-12S-32E	P&A	8-5/8"-25#	309	150	5-1/2"-14#	3023	600	Apr-48	3046	O-H	3023'-3046'
State 32, #5	30-025-00208	1980 FNL & 1979 FWL	F-32-12S-32E	P&A	8-5/8"-32#	318	175	5-1/2"-14#	3006	855	Aug-48	3048	O-H	3006'-3048'
								4-1/2"-N/A	2883-3014	50	Dec-58	3048	O-H	3014'-3046'
State 32, #6	30-025-00202	1980 FSL & 1980 FEL	J-32-12S-32E	P&A	8-5/8"-25#	296	150	5-1/2"-15#	3025	600	Dec-48	3047	O-H	3025'-3047'
								4-1/2"-N/A	2973-3020	75	Jan-59	3038	O-H	3020'-3038'
State 32, #8	30-025-00206	660 FSL & 1978 FWL	N-32-12S-32E	P&A	9-5/8"-40#	294	175	5-1/2"-14#	3002	700	Jul-48	3043	O-H	3002'-3043'
								4-1/2"-N/A	2897-3027	50	Jul-58	3057	O-H	3027'-3057'
State 32, #10	30-025-00199	575 FNL & 745 FWL	D-32-12S-32E	P&A	8-5/8"-32#	324	160	4-1/2"-9.5#	3005	300	Jan-59	3026	O-H	3005'-3026'
								3-1/2"-9.2#	2871-3026	175	Mar-61	3026	PERF	3021'-3026'
State 32, #11	30-025-00198	660 FNL & 660 FWL	D-32-12S-32E	P&A	8-5/8"-28#	307	150	5-1/2"-17#	3008	600	Aug-48	3037	O-H	3008'-3037'
State 31, #1	30-025-00182	1980 FSL & 660 FEL	I-31-12S-32E	P&A	10-3/4"-36#	272	150	6-5/8"-20#	3003	600	Jul-48	3020	O-H	3003'-3020'
State 31, #2	30-025-00184	1980 FNL & 660 FEL	H-31-12S-32E	P&A	10-3/4"-32#	297	150	7"-NA	3000	600	Oct-48	3045	O-H	3020'-3045'
								4-1/2"-9.5#	Surf-3022	300+	Apr-58	3046	O-H	3022'-3045'
State 31, #3	30-025-00183	660 FSL & 660 FEL	P-31-12S-32E	P&A	10-3/4"-36#	277	150	7"-20#	3011	600	Aug-48	3033	O-H	3011'-3033'
State 31, #4	30-025-00186	2310 FNL & 1650 FEL	G-31-12S-32E	P&A	8-5/8"-28#	293	175	5-1/2"-14#	3014	300	Dec-57	3023	O-H	3014'-3023'
State 31, #5	30-025-00197	3300 FNL & 1980 FEL	J-31-12S-32E	P&A	8-5/8"-25#	258	125	5-1/2"-15#	2977	600	Jun-45	3015	O-H	2977'-3015'
								4-1/2"-N/A	2881-3009	75	Jan-56	3031	O-H	3009'-3031'
State 5, #1	30-025-00212	660 FNL & 660 FWL	D-5-13S-32E	P&A	8-5/8"-25#	299	150	5-1/2"-14#	3030	600	May-48	3045	O-H	3030'-3045'
								4-1/2"-N/A	3005-3035	N/A	Feb-57	3045	O-H	3035'-3045'

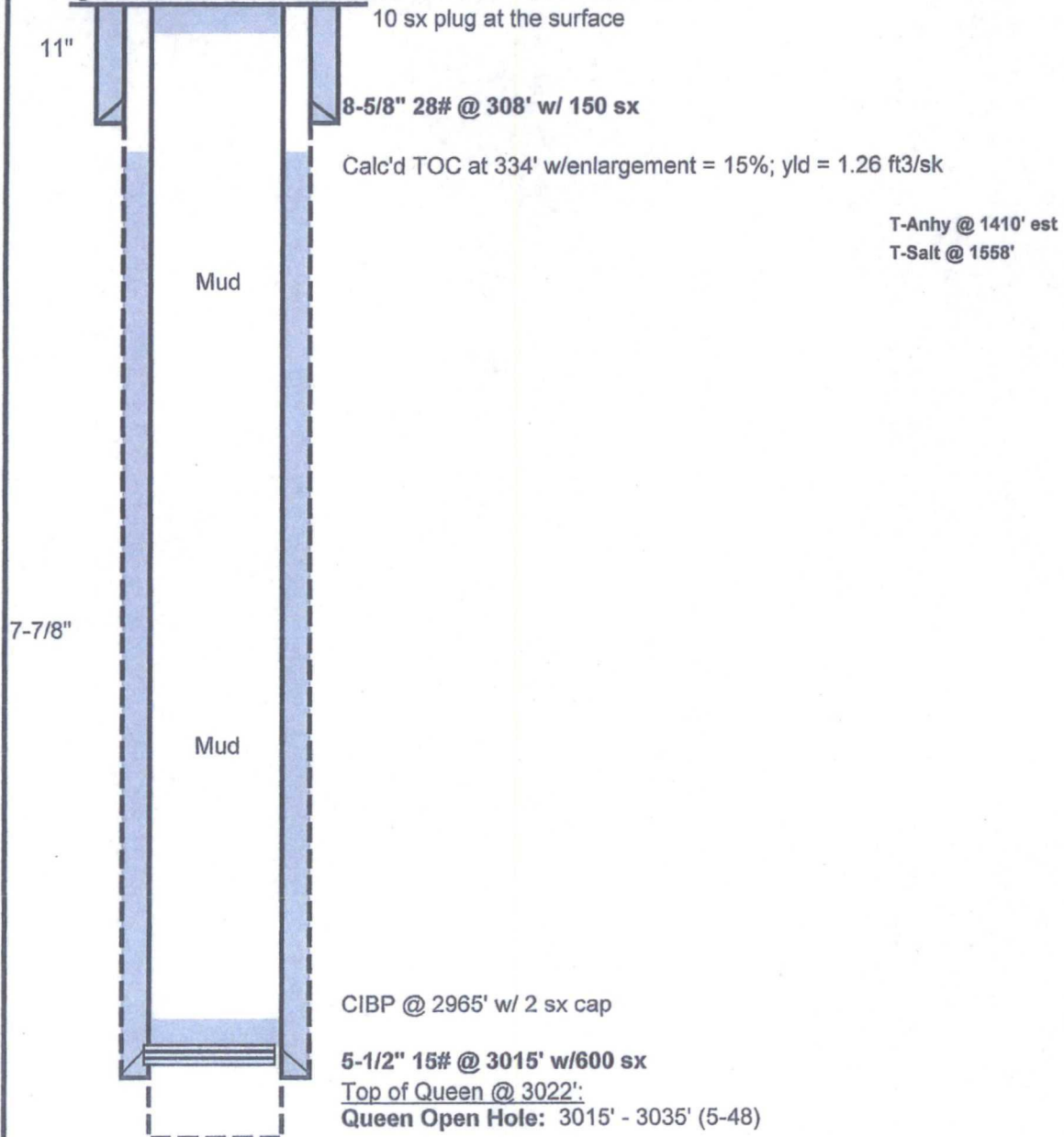
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (Formerly NCQU 1 TR 12 32-11)
COUNTY: Lea

DATE: 29-Sep-12
BY: MWM
WELL: 1
STATE: New Mexico

Location: 1980' FSL & 1980' FWL, Sec 32K, T12S, R32E
SPUD: 4/48 COMP: 5/48
CURRENT STATUS: P&A Producer (06-69)
Original Well Name: Great Western Producers, Inc. State "Q" # 2
10 sx plug at the surface

KB =
GL = 4,373'
API = 30-025-00201



NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-025-00201

Form C-103
Supersedes Old
C-103
Effective 1-1-65

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	North Caprock Queen Unit #1
9. Well No.	Tr. 12 No. 11
10. Field and Pool, or Wildcat	North Caprock Queen
12. County	Lea

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator American Petrofina Company of Texas
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER <u>K</u> <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>32</u> TOWNSHIP <u>12S</u> RANGE <u>32E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) --

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-30-69 - Set C.I. bridge plug in 5-1/2" casing at 2965' and dumped 2 sks cement on top of plug.

Ran 2-3/8" tubing and circulated hole with mud laden fluid.

Placed 10 sks cement plug in top of 5-1/2" casing and set 4-1/2" pipe marker.

JCC:ft

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J.M. Denson J.M. Denson TITLE Asst. District Mgr. of Prod. DATE 2/24/70

APPROVED BY John W. Runyan TITLE Geologist DATE MAR 6 1970
CONDITIONS OF APPROVAL, IF ANY:

CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (formerly NCQU 1 TR 6 32-5)
COUNTY: Lea

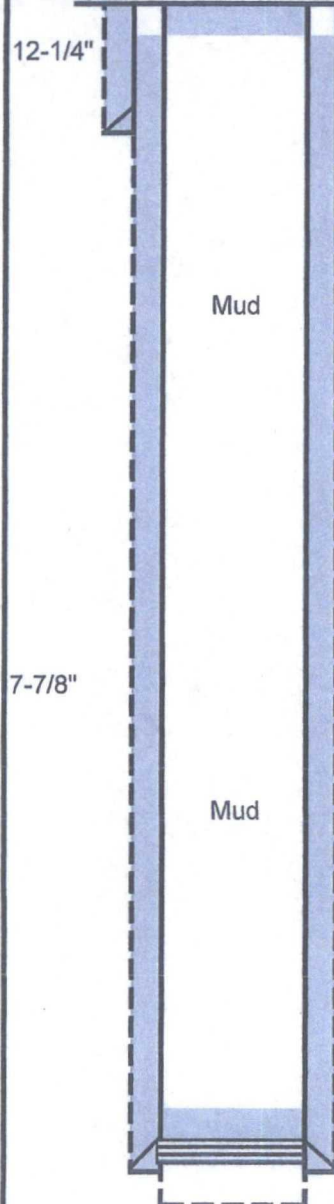
DATE: 29-Sep-12
BY: MWM
WELL: 2
STATE: New Mexico

Location: 1980' FNL & 660' FWL, Sec 32E, T12S, R32E
SPUD: 6/48 COMP: 6/48
CURRENT STATUS: P&A Producer (06-69)
Original Well Name: Phillips Petrol. Co. Rock # 1

KB =
GL = 4372' top CHF
API = 30-025-00207

12-1/4" 10 sx plug at the surface
TOC @ 50' (TS)
9-5/8" 40# @ 313' w/ 175 sx (circ)

T-Anhy @ 1365' est
T-Anhy/salt @ 1462' est



CIBP @ 2971' w/ 2 sx cap

5-1/2" 14#, H-40 @ 3021' w/700 sx

Top of Queen @ 3021':

Queen Open Hole: 3021' - 3024' (6-48)

PBTD - 3024'
TD - 3024'

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FILE	
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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

30-025-00207

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name North Caprock Queen Unit No. 1	
9. Well No. Tr. 6 No. 5	
10. Field and Pool, or Wildcat North Caprock Queen	
12. County Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator AMERICAN PETROLINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER E 660 FEET FROM THE West LINE AND 1980 FEET FROM THE North LINE, SECTION 32 TOWNSHIP 12S RANGE 32E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 4379 DF

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-30-69 Set C.I. bridge plug in 5-1/2" casing at 2971' and dumped 2 sk cement on top plug. Ran 2-3/8" tubing and circulated hole with mud laden fluid. Placed 10 sk cement plug in top of 5-1/2" casing and set 4-1/2" pipe marker.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. M. Danson J. M. Danson TITLE Asst. Dist. Mgr. of Production DATE February 24, 1970

APPROVED BY John W. Ramsey TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

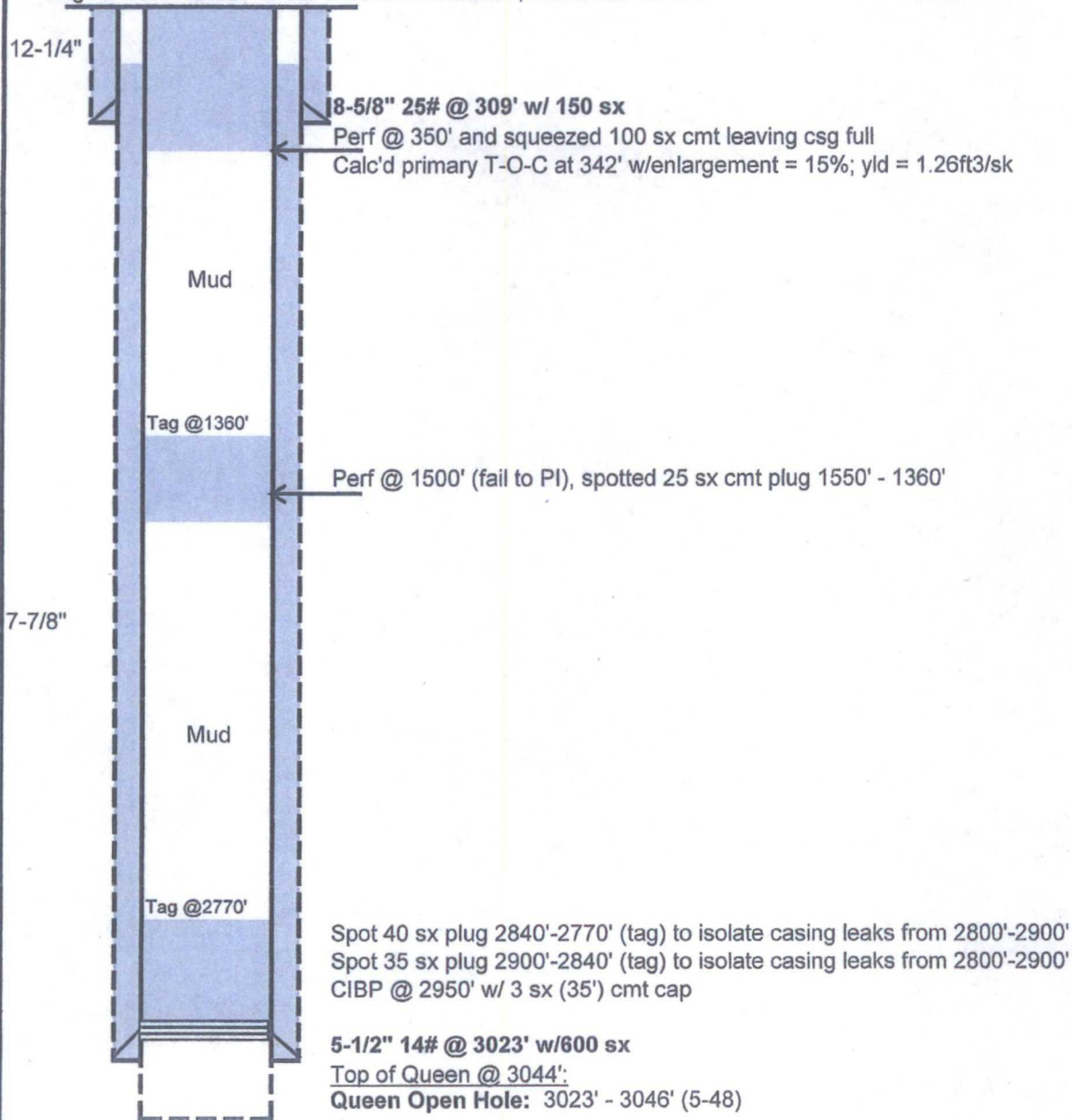
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (formerly NCQU 1 TR 12 SEC 32M #13)
COUNTY: Lea

DATE: 30-Sep-12
BY: MWM
WELL: 3
STATE: New Mexico

Location: 660' FSL & 660' FWL, Sec 32M, T12S, R32E
 SPUD: 4/48 COMP: 5/48
 CURRENT STATUS: P&A Producer (09-04)
 Original Well Name: Great Western Producers, Inc. State "Q" # 1

KB =
GL = 4,380'
API = 30-025-00200



PBTD - 3046'
 TD - 3046'

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: NOR
THE ~~FAST~~ CAPROCK QUEEN UNIT
Well: # 13
Operator: SIERRA BLANCA OPERATING CO.
Project: P & A -
Contract: 04-521-0750-0116
IFB #: 40-521-07-00223

30-025-00200

BID = \$ 13,573.00

9-15-04 (4)

MIRU - NUBOP - POOH WITH 90 JOINTS 2 3/8" TUBING - RIH & SET CIBP @ 2950' - DUMP 35'
(3 SXS) CEMENT ON TOP - RIH WITH TUBING TO 600' - CLOSE IN WELL

9-16-04 (13)

RIH TO 2900' - PUMP 10# MUD - WELL DID NOT CIR. - HOLE IN CASING - RIH WITH PACKER
& LOCATE HOLES @ 2800'-2900' - SPOT 35 SXS @ 2900' - POOH - WOC 3 HRS - TAG @ 2840'
RESET PLUG - SPOT 40 SXS 2 1/2% CACL @ 2840' - POOH - WOC - TAG @ 2770' CLOSE BOP -
TEST TO 1000# - CIR. MUD - POOH - PERF. @ 1500' - TEST TO 1000# - RIH & SPOT 25 SXS @
1550' - POOH - CLOSE IN WELL

6 HRS RIG TO RESET PLUG, WOC & TAG

.. \$ 1,020.00

PUMP TRUCK TO SET EXTRA PLUG

.. \$ 275.00

WATER FOR EXTRA CEMENT & CIRCULATING

.. \$ 220.00

12 SXS SALT GEL

.. \$ 90.00

PACKER RENTAL TO TEST FOR HOLES

.. \$ 25.00

9-17-04 (12)

RIH & TAG @ 1360' - CIR. MUD - POOH - PERF. @ 350' - NUWH - SQUEEZE 100 SXS TO
SURFACE LEAVING CASING FULL - RIG DOWN - CUT OFF WELLHEAD & ANCHORS -
INSTALL DRY HOLE MARKER - COVER PIT & CELLAR - MOVE OUT

104 SXS CEMENT @ 10.00/SACK
(BID 96 USED 200 SXS)

.. \$ 1,040.00

CREDIT:

2700' OF 2 3/8" TUBING @ \$.20/FT

.. - 540.00

COST = \$ 15,703.00

MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745

NEW MEXICO OCD HOBBS
BID ID # 40-521-07-00223
CONTRACT # 04-521-0750-0116

OPERATOR: SIERRA BLANCA OPERATING CO.
Lease: ~~NORTHEAST~~ CAPROCK QUEEN UNIT # 13
Project: P & A - CEMENTING REPORT

09-15-04 - SET CIBP @ 2950' - DUMP 3 SXS (35') ON TOP TO 2915'
09-16-04 - SPOT 35 SXS @ 2900'-2840' & TAG
09-16-04 - SPOT 40 SXS @ 2840'-2770' & TAG
09-16-04 - TEST CASING TO 1000#
09-16-04 - SPOT 25 SXS @ 1550'-1360' & TAG
09-17-04 - PERFORATE @ 350'
09-17-04 - SQUEEZE 100 SXS @ 350' TO SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

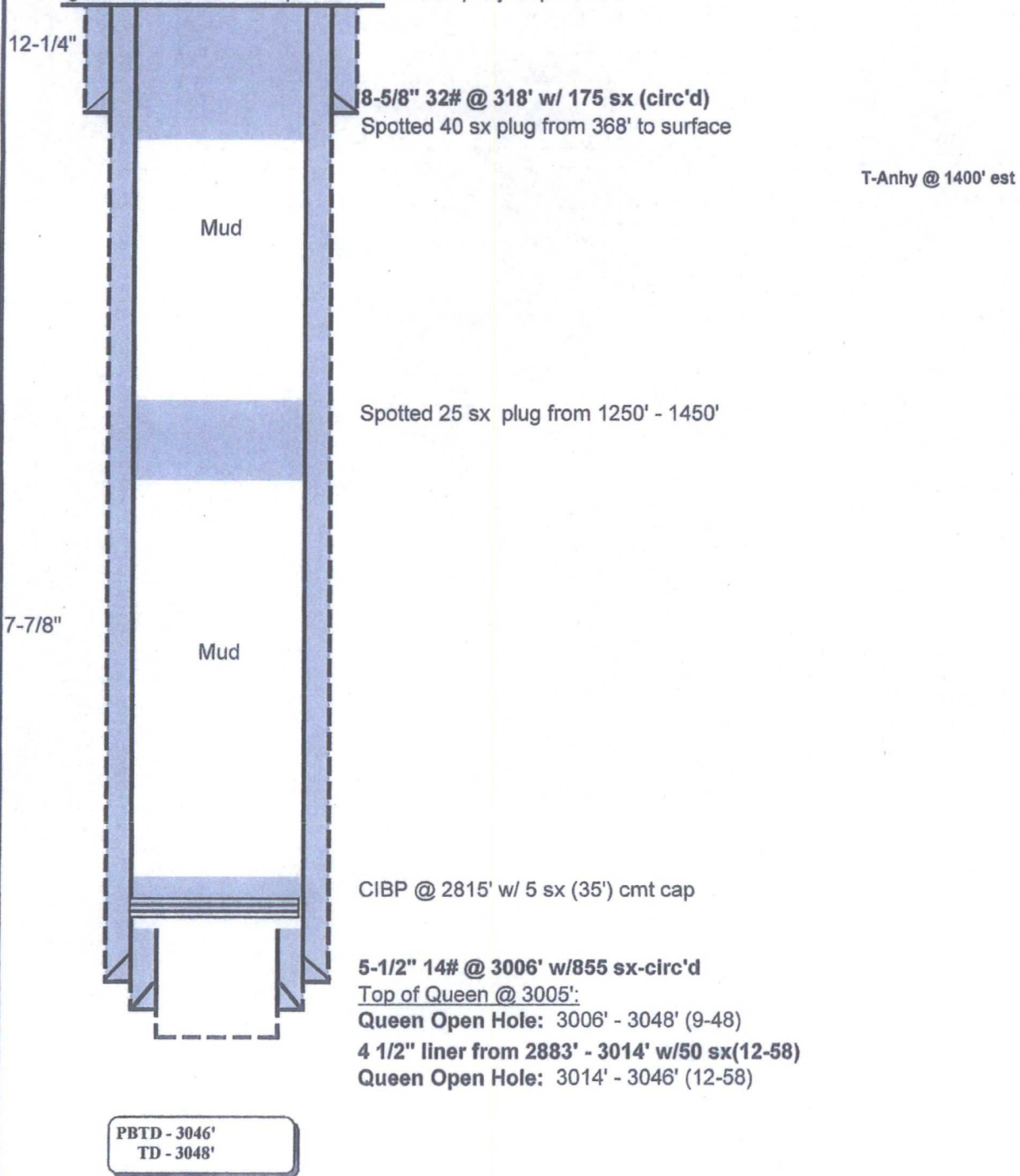
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (formerly NCQU 1 TR 6 SEC 32F #6)
COUNTY: Lea

DATE: 30-Sep-12
BY: MWM
WELL: 5
STATE: New Mexico

Location: 1980' FNL & 1979' FWL, Sec 32F, T12S, R32E
SPUD: 8/48 COMP: 9/48
CURRENT STATUS: P&A Injector (09-04)
Original Well Name: Phillips Petroleum Company Caprock # 2

KB =
GL = 4376' top CHF
API = 30-025-00208



MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: NORTHEAST CAPROCK QUEEN UNIT
Well: # 6
Operator: SIERRA BLANCA OPERATING CO.
Project: P & A -
Contract: 04-521-0750-0116
IPB #: 40-521-07-00223

30-025-00208

BID = \$ 13,573.00

9-08-04 (4)

MIRU - NUBOP - NO TUBING IN WELL - RIH WITH GAUGE RING TO 2820' - RIH & SET CIBP @ 2815' - CAP WITH 35' CEMENT (5 SXS) - RIH WITH MMCPI WORKSTRING & RIH & CIRCULATE 10# MUD - TEST CASING TO 1000# - POOH - SPOT 25 SXS @ 1450'-1250' - POOH & SPOT 40 SXS @ 368' TO SURFACE - RIG DOWN- CUT OFF WELLHEAD & ANCHORS - INSTALL DRY HOLE MARKER - COVER PIT & CELLAR - MOVE OUT

CREDIT:

1 WELLHEAD

.. - 50.00

26 SXS CEMENT @ 10.00/SACK
(BID 96 USED 70 SXS)

.. - 260.00

COST = \$ 13,263.00

MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745

NEW MEXICO OCD HOBBS
BID ID # 40-521-07-00223
CONTRACT # 04-521-0750-0116

OPERATOR: SIERRA BLANCA OPERATING CO.
Lease: NORTHEAST CAPROCK QUEEN UNIT #6
Project: P & A - CEMENTING REPORT

09-08-04 - SET CIBP @ 2815' - DUMP 5 SXS (35') ON TOP - 2785'
09-08-04 - TEST CASING TO 1000#
09-08-04 - SPOT 25 SXS @ 1450'-1250'
09-08-04 - SPOT 40 SXS @ 368' TO SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

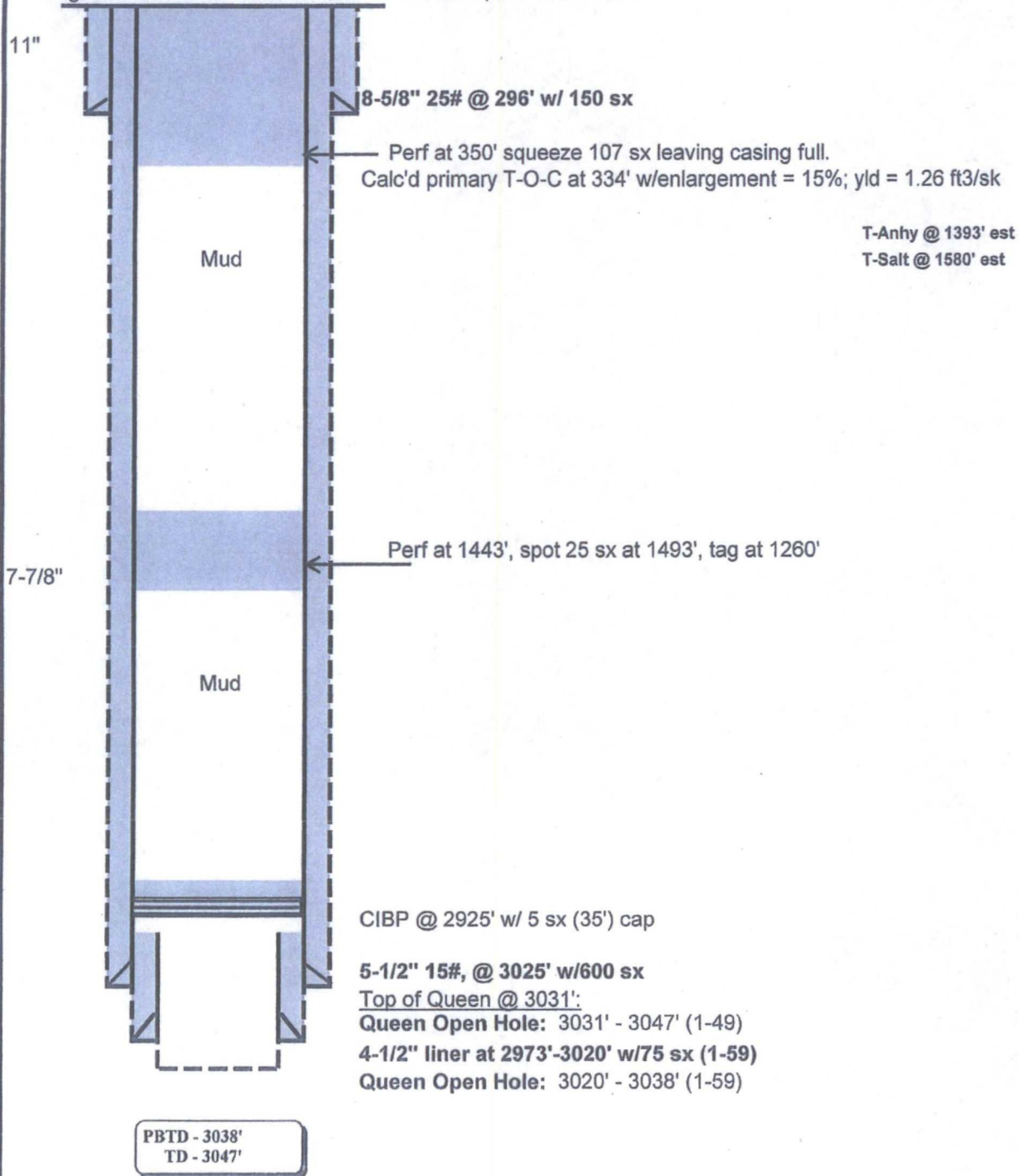
CELERO ENERGY

FIELD: Caprock
 LEASE/UNIT: State 32 (formerly NCQU 1 TR 12 32J #10)
 COUNTY: Lea

DATE: 30-Sep-12
 BY: MWM
 WELL: 6
 STATE: New Mexico

Location: 1980' FSL & 1980' FEL, Sec 32J, T12S, R32E
 SPUD: 12/48 COMP: 1/49
 CURRENT STATUS: P&A Injector (09-04)
 Original Well Name: Great Western Producers, Inc. State "Q" #3

KB =
 GL = 4,373'
 API = 30-025-00202



MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: NORTHEAST CAPROCK QUEEN UNIT
Well: # 10
Operator: SIERRA BLANCA OPERATING CO.
Project: P & A -
Contract: 04-521-0750-0116
IFB #: 40-521-07-00223

30-025-00 202

BID = \$ 13,573.00

9-09-04 (13)

MIRU - NUBOP - NO TUBING IN WELL - RIH WITH GAUGE RING TO 2930' - RIH & SET CIBP @ 2925' - CAP WITH 35' CEMENT (5 SXS) - RIH WITH MMCPI WORKSTRING & RIH & CIRCULATE 10# MUD - TEST CASING TO 1000# - POOH - PERFORATE @ 1443' - TEST TO 1000# - RIH & SPOT 25 SXS @ 1493' - POOH - WOC - RIH & TAG @ 1260' - POOH - PERFORATE @ 350' - NUWH - SQUEEZE 107 SXS @ 350' TO SURFACE LEAVING CASING FULL -

9-10-04 (3HRS)

RIG DOWN- CUT OFF WELLHEAD & ANCHORS - INSTALL DRY HOLE MARKER - COVER PIT & CELLAR - MOVE OUT

41 SXS CEMENT @ 10.00/SACK
(BID 96 USED 137 SXS)

.. \$ 410.00

CREDIT:
1 WELLHEAD

.. - 50.00

COST = \$ 13,933.00

MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745

NEW MEXICO OCD HOBBS
BID ID # 40-521-07-00223
CONTRACT # 04-521-0750-0116

OPERATOR: SIERRA BLANCA OPERATING CO.
Lease: NORTHEAST CAPROCK QUEEN UNIT # 10
Project: P & A - CEMENTING REPORT

09-09-04 - SET CIBP @ 2925' - DUMP 5 SXS (35') ON TOP - 2890'
09-09-04 - PERFORATE @ 1443' - TEST TO 1000#
09-09-04 - SPOT 25 SXS @ 1493'-1260' & TAG
09-09-04 - PERFORATE @ 350'
09-09-04 - SQUEEZE 107 SXS @ 350' TO SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

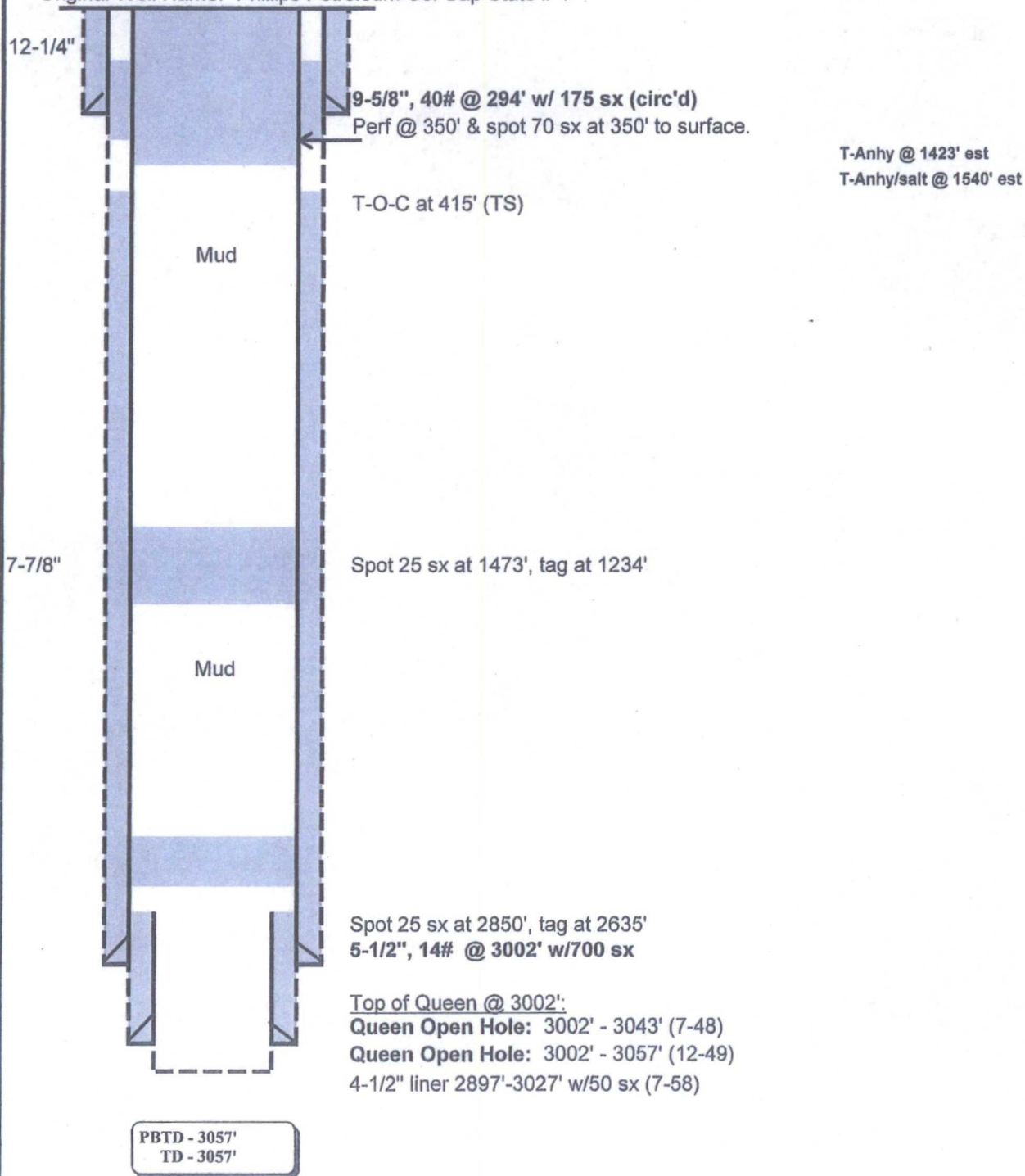
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (formerly NCQU 1 TR 6 Sec 32N #14)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 8
STATE: New Mexico

Location: 660' FSL & 1978' FWL, Sec 32N, T12S, R32E
 SPUD: 7/48 COMP: 7/48
 CURRENT STATUS: P&A Injector (9-04)
 Original Well Name: Phillips Petroleum Co. Cap State # 1

KB =
GL = 4367' top CHF
API = 30-025-00206



30-025-00206

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: NORTHEAST CAPROCK QUEEN UNIT
Well: # 14
Operator: SIERRA BLANCA OPERATING CO.
Project: P & A -
Contract: 04-521-0750-0116
IFB #: 40-521-07-00223

BID = \$ 13,573.00

9-10-04 (4)

MIRU - NUBOP - NO TUBING IN WELL - WELD ON WELLHEAD - NUBOP - RIH WITH GAUGE RING TO 10' - RIH WITH TUBING WITH KNOTCHED COLLAR - SPIN ON BRIDGE WITH TONGS & PUMP WATER - POOH - CLOSE IN WELL

3 HRS RIG TIME @ \$ 170.00/HR
(DRILL & WASH)

.. \$ 510.00

9-13-04 (10)

RIH WITH 4 1/4" BIT & SWIVEL - DRILL & CIRCULATE FROM 10' TO 150' - POOH WITH BIT - RIH OPEN ENDED & SPOT 25 SXS @ 2850' - POOH - CLOSE IN WELL

4 HRS RIG TO DRILL
BIT & SWIVEL
WATER FOR DRILLING
PUMP TO DRILL & CIRCULATE

.. \$ 680.00

.. \$ 250.00

.. \$ 50.00

.. \$ 25.00

9-14-04 (12)

RIH & TAG @ 2635' - CIRCULATE 9.5# MUD - HOLE IN CASING - POOH - RIH WITH PACKER TO 15' - POOH - RIH & SPOT 25 SXS @ 1473' - POOH - WOC - RIH & TAG @ 1234' - POOH - PERFORATE @ 350' - RIH & SPOT 25 SXS @ 400' - POOH - WOC - RIH & TAG @ 355' - BILL PRITCHARD WANTS TO RESET PLUG - SPOT 25 SXS @ 355' - POOH

1 HR RIG TO RESET PLUG
PUMP TRUCK TO RESET PLUG

.. \$ 170.00

.. \$ 275.00

9-15-04 (5HRS)

RIH & TAG @ 170' - SPOT 20 SXS @ 170' TO SURFACE - RIG DOWN - CUT OFF WELLHEAD & ANCHORS - INSTALL DRY HOLE MARKER - COVER PIT & CELLAR - MOVE OUT

24 SXS CEMENT @ 10.00/SACK
(BID 96 USED 120 SXS)

.. \$ 240.00

CREDIT:

COST = \$ 15,773.00

MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745

NEW MEXICO OCD HOBBS
BID ID # 40-521-07-00223
CONTRACT # 04-521-0750-0116

OPERATOR: SIERRA BLANCA OPERATING CO.
Lease: ~~NORTHERN~~ CAPROCK QUEEN UNIT # 14
Project: P & A - CEMENTING REPORT

09-13-04 - SPOT 25 SXS @ 2850'-2635' & TAG
09-14-04 - SPOT 25 SXS @ 1473'-1234' & TAG
09-14-04 - PERFORATE @ 350'-
09-14-04 - SPOT 25 SXS @ 400'-355' & TAG
09-14-04 - SPOT 25 SXS @ 355'-170' & TAG
09-15-04 - SPOT 20 SXS @ 170' TO SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

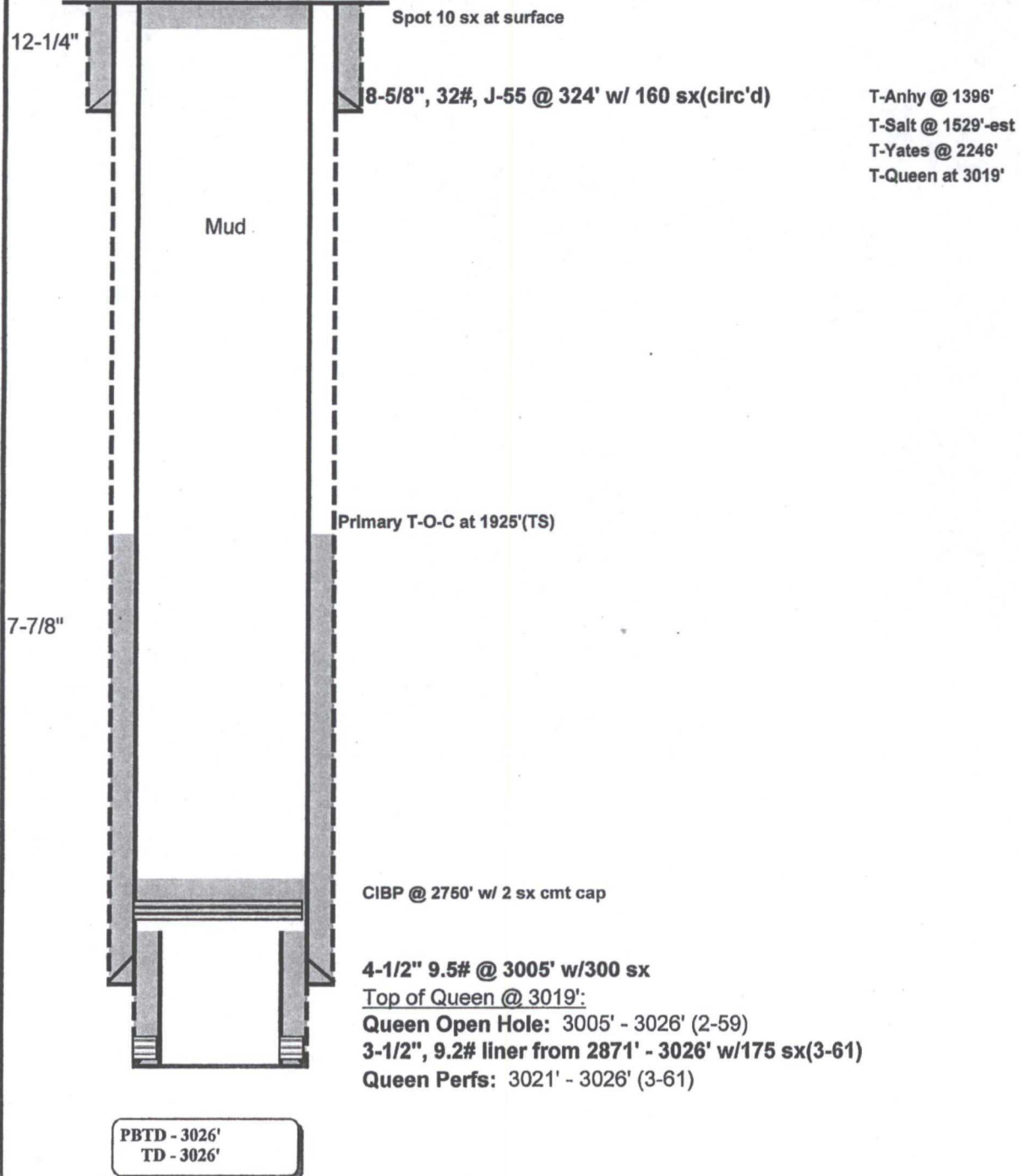
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (formerly NCQU 1 TR 5 SEC 32D #4)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 10
STATE: New Mexico

Location: 575' FNL & 745' FWL, Sec 32D, T12S, R32E
SPUD: 1/59 COMP: 2/59
CURRENT STATUS: P&A Injector (06-69)
Original Well Name: Graridge NCQU #1 #32-4

KB =
GL =
API = 30-025-00199



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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FEB 25 1970
Form C-103
Replaces Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Part or Lease Name North Caprock Queen Unit #1	
9. Well No.	
Tr. 5 No. 4	
10. Field and Pool, or Wildcat	
North Caprock Queen	
12. County	
Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Injection
2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER D 575 FEET FROM THE North LINE AND 745 FEET FROM THE West LINE, SECTION 32 TOWNSHIP 12S RANGE 32E HMPM.
15. Elevation (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-30-69 Set C.I. bridge plug in 4-1/2" casing at 2750' with 2 sx cement on top of plug.
Ran 2-3/8" tubing and circulated with mud laden fluid.
Set 10 sx cement plug in top of 4-1/2" casing and set 4-1/2" pipe marker.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. M. Denson TITLE Asst. District Mgr. of Production DATE February 23, 1970

APPROVED BY John W. Runyan TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

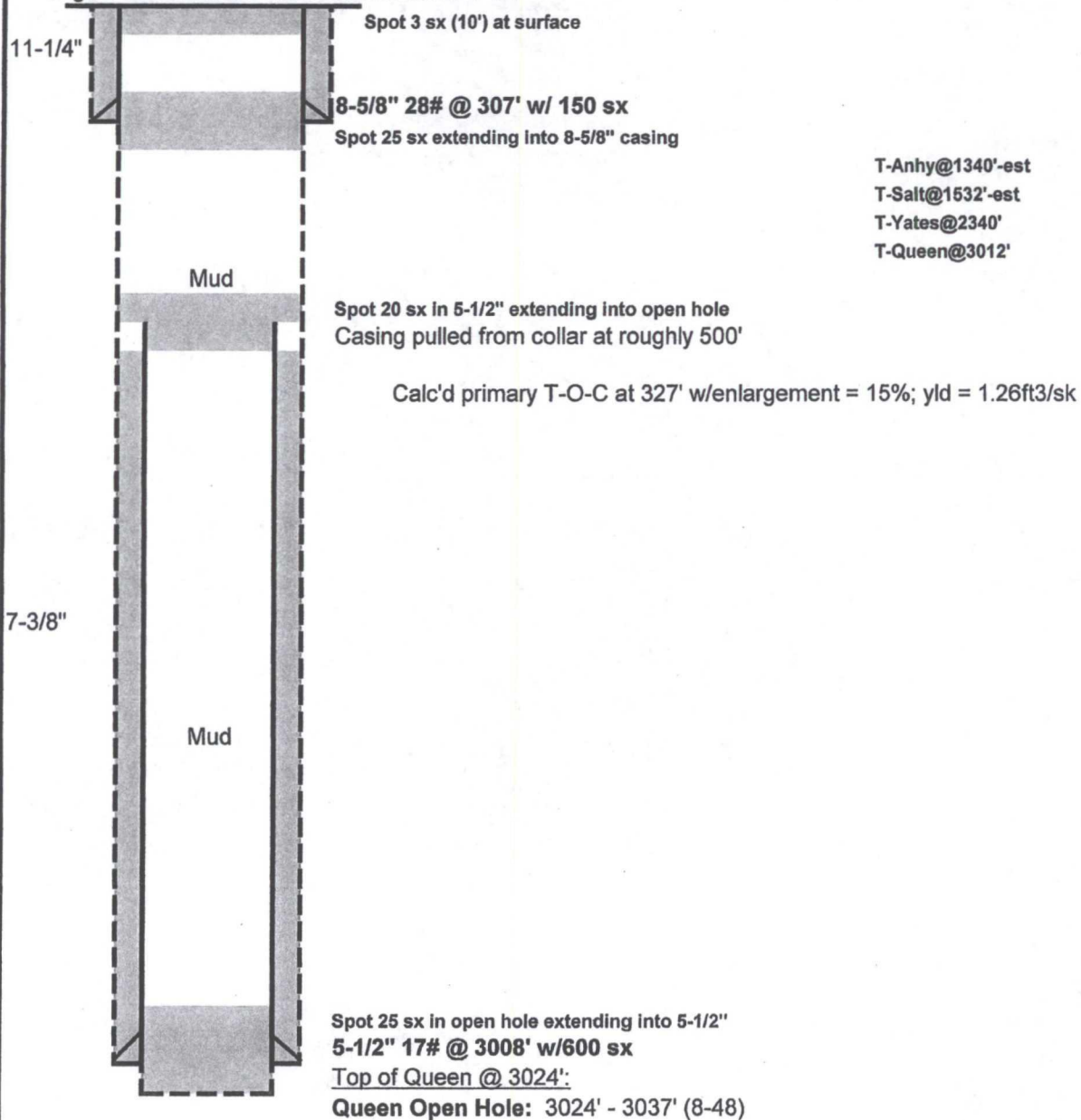
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 32 (never included in NCQU #1)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 11
STATE: New Mexico

Location: 660' FNL & 660' FWL, Sec 32D, T12S, R32E
SPUD: 8/48 COMP: 8/48
CURRENT STATUS: P&A Producer (10-53)
Original Well Name: Cities Service State 'T' #1

KB =
GL = 4384' top CHF
API = 30-025-00198

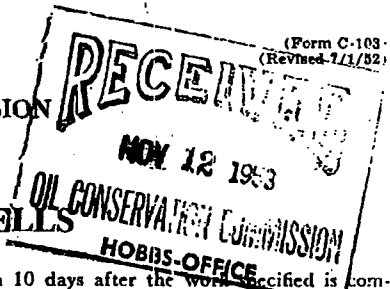


T-Anhy@1340'-est
T-Salt@1532'-est
T-Yates@2340'
T-Queen@3012'

PBTD - 3037'
TD - 3037'

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	X	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

11-10-53

Hobbs, New Mexico

(Date)

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Cities Service Oil Company

State "TX"

(Company or Operator)

(Lease)

Lea County Casing Pullers

Well No. 1 in the NW 1/4 NW 1/4 of Sec. 32

(Contractor)

T. 12, R. 32, NMPM, Caprock Pool, Lea County.

10-22-53 thru 10-24-53

The Dates of this work were as follows:

Notice of intention to do the work (was) ~~not~~ submitted on Form C-102 on 10-19, 1953

(Cross out incorrect words)

and approval of the proposed plan (was) ~~not~~ obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Plugging operations began October 22, 1953. The hole was loaded with approximately 75 barrel of 9.5# mud laden fluid. Cement plugs were placed as follows: 25 sacks in open hole extending up into 5 1/2" casing; 20 sacks in 5 1/2" casing and open hole where 5 1/2" was pulled out of collar at approximately 500'; 25 sacks in open hole extending up into 8 5/8" casing which was set at 309'; and 3 sacks or 10' in top of 8 5/8" casing. The plugged and abandoned location was marked with a 4"-4' marker-bull plugged. The location has been cleared of all debris. Plugging was witnessed by M. R. Dotson, Lea County Casing Pullers, Box 1058, Hobbs, New Mexico and W. M. Dickey, Production Foreman, Cities Service Oil Company, Box 97, Hobbs, New Mexico. Plugging was completed October 24, 1953,

Witnessed by C. M. Hartwell
(Name)

Cities Service Oil Company
(Company)

District Superintendent
(Title)

Approved: OIL CONSERVATION COMMISSION

L. A. Hanson
(Name)

Oil & Gas Inspector

(Title)

DEC 16 1953

(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name: *Charles M. H. Dickey*
Position: District Superintendent

Representing: Cities Service Oil Company

Address: Box 97, Hobbs, New Mexico

CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 31 (formerly NCQU 1 TR 3 31-9)
COUNTY: Lea

DATE: 29-Sep-12
BY: MWM
WELL: 1
STATE: New Mexico

Location: 1980' FSL & 660' FEL, Sec 31I, T12S, R32E

SPUD: 7/48 COMP: 8/48

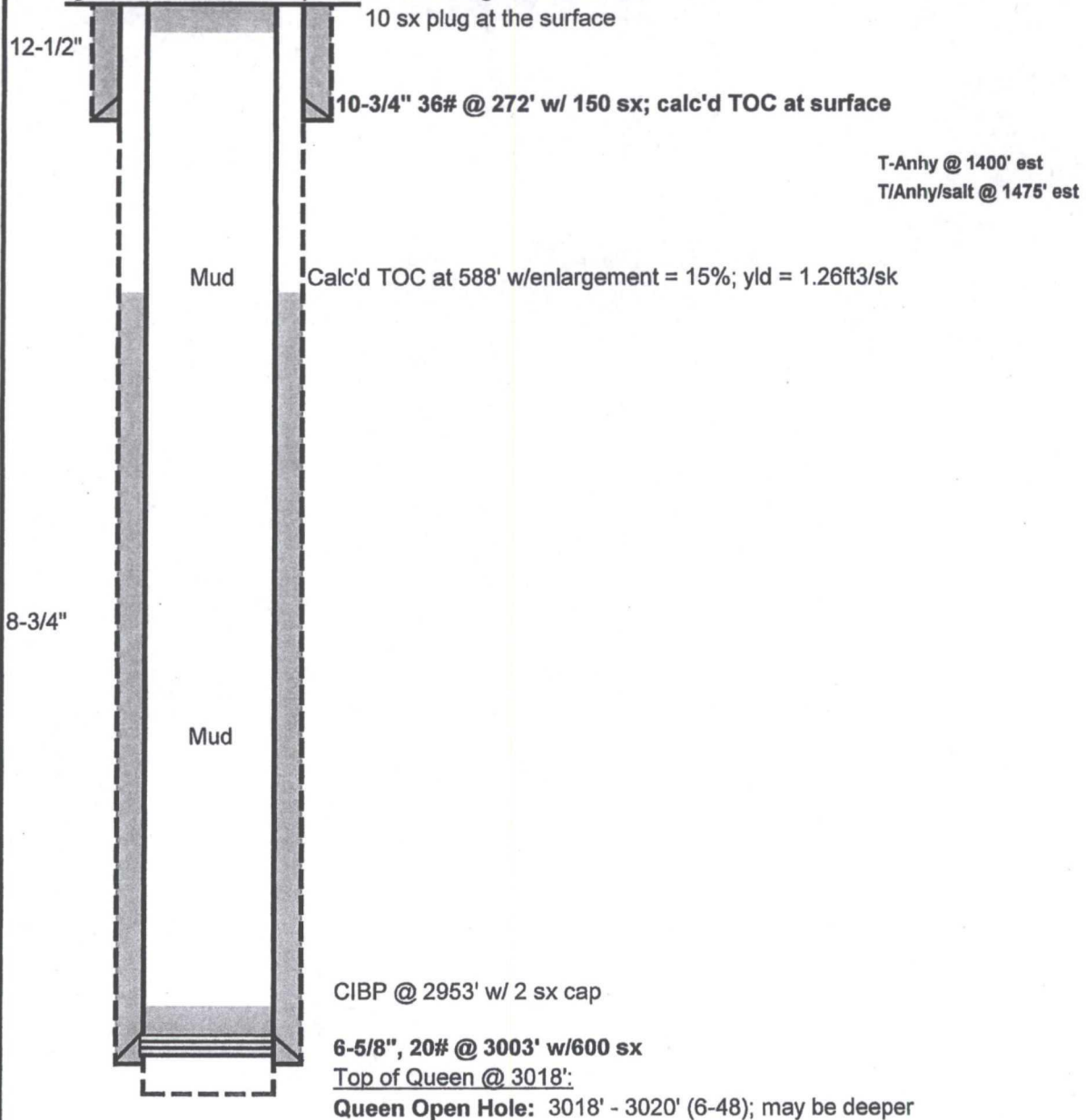
CURRENT STATUS: P&A Producer (06-69)

Original Well Name: Cooperative Producing Ass'n Livermore St. 'G' #6

KB =

GL = 4484'-top of CHF

API = 30-025-00182



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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FEB 25 1970

Form C-103
Supersedes Old
and C-103
Effective 1-1-65

30-025-00182

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Form or Lease Name North Caprock Queen Unit #1	
9. Well No. Tr. 3 No. 9	
10. Field and Pool, or Wildcat North Caprock Queen	
12. County Lee	

SUNDRY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER I 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 12S RANGE 32E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 4484 Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

at 2953'
6-30-69 Set C.I. bridge plug in 6-5/8" casing/and dumped 2 sx cement on top plug.
Ran 2-3/8" tubing and circulated hole with mud laden fluid.
Placed 10 sx cement plug in top of 6-5/8" casing and set 4-1/2" pipe marker.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. M. Denson TITLE Asst. Dist. Mgr. of Production DATE February 24, 1970

APPROVED BY John W. Runyan TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

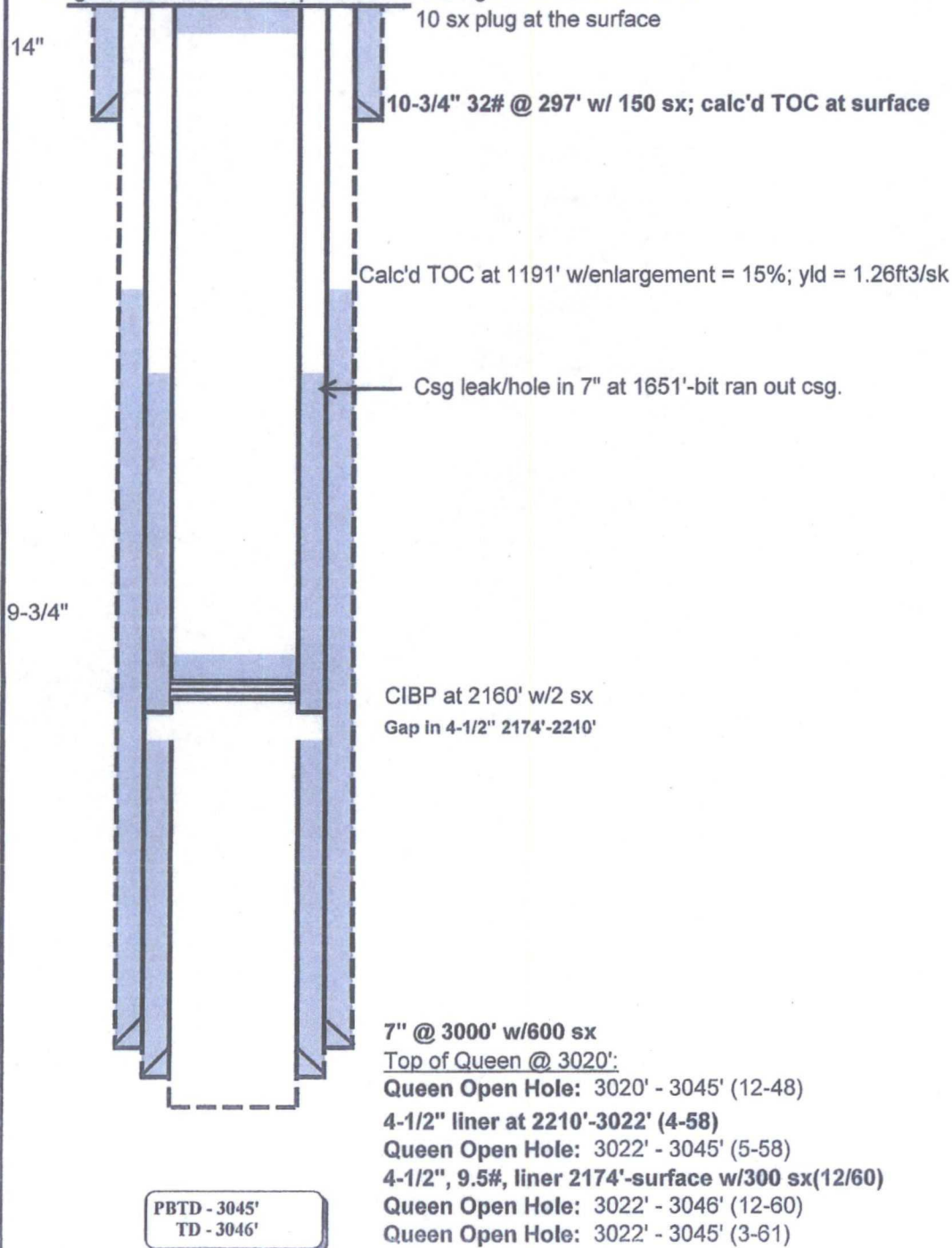
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 31 (formerly NCQU 1 TR 4 31-8)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 2
STATE: New Mexico

Location: 1980' FNL & 660' FEL, Sec 31H, T12S, R32E
SPUD: 10/48 COMP: 12/48
CURRENT STATUS: P&A Injector (06-69)
Original Well Name: Cooperative Producing Ass'n Malco St. 'A' #7

KB =
GL = 4482' top of CHF
API = 30-025-00184



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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name North Caprock Queen Unit #1
9. Well No. Tr. 4 No. 8
10. Field and Pool, or Wildcat North Caprock Queen
12. County Lea

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well
2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER H 1980 FEET FROM THE North LINE AND 660 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 12S RANGE 32E NMPM.
15. Elevation (Show whether DF, RT, CR, etc.) 4482 Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data.

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p> <p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOB <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input checked="" type="checkbox"/></p>
---	---

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

**6-30-69 Set C.I. bridge plug in 4-1/2" casing at 2160' and put 2 sx cement on top of plug.
Ran 2-3/8" tubing and circulated with mud laden fluid.
Placed 10 sx cement plug in top of 4-1/2" casing and set 4-1/2" pipe marker.**

30-025-00184

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>J. M. Denson</u>	TITLE <u>Asst. Dist. Mgr. of Production</u>	DATE <u>February 23, 1970</u>
APPROVED BY <u>John W. Runyan</u>	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

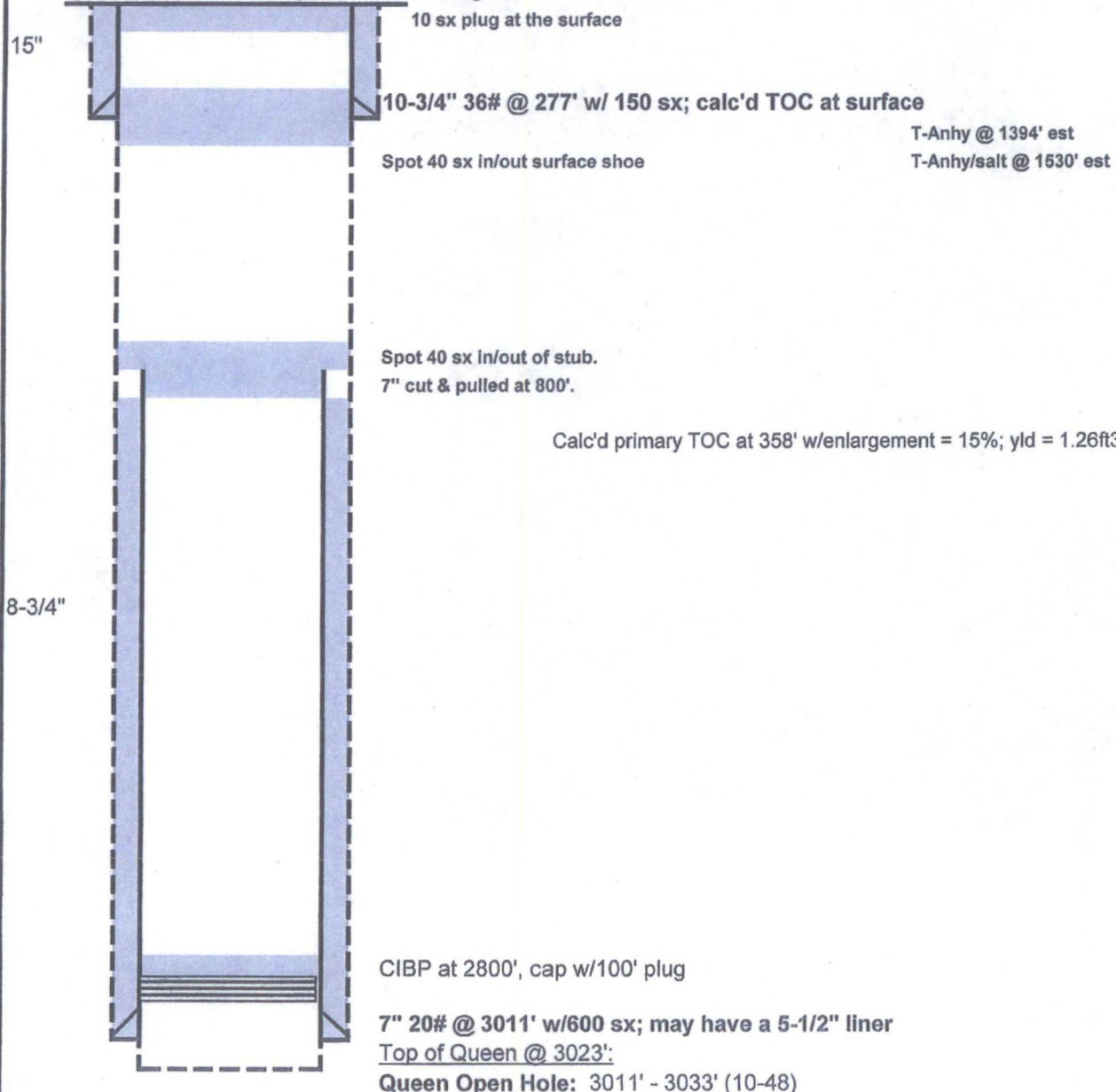
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 31 (formerly NCQU 1 TR 3 31-16)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 3
STATE: New Mexico

Location: 660' FSL & 660' FEL, Sec 31P, T12S, R32E
SPUD: 8/48 COMP: 10/48
CURRENT STATUS: P&A Injector (11-77)
Original Well Name: Cooperative Producing Ass'n Livermore St. 'G' #7

KB =
GL = 4,379'
API = 30-025-00183



PBTD - 3033'
TD - 3033'

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-101
Effective 1-1-65

30-025-00183

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR APPLICATIONS TO OIL OR GAS, OR FOR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT TO PRODUCE OIL, FOR OIL PRODUCTION.

OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER- <input checked="" type="checkbox"/> Injection Well
Name of Operator Vega Petroleum Corporation		
Address of Operator P. O. Box 2383, Midland, Texas 79701		
Location of Well UNIT LETTER <u>P</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>31</u> TOWNSHIP <u>12-S</u> RANGE <u>32-E</u> NMPL.		

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name No. 1 No. Caprock Queen Unit
6. Term of Lease Name No. Caprock Queen Unit
9. Well No. Tract 3, Well No. 16
10. Field and Pool, or Well Unit Caprock Queen (Lea)
12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

REFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
IMPROVING ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
ILL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Displaced hole with 2500# per 100 bbls. salt base mud.
2. Set CIBP at 2800'.
3. Set 100' cement plug on top of CIBP.
4. Cut off and pulled 7" casing at 820'.
5. Spotted 40 sx. cement plug in-and-out of 7" casing and stub.
6. Spotted 40 sx. cement plug in-and-out of surface casing and stub.
7. Spotted 10 sx. cement plug at surface and erected 4-1/2" regulation dry hole marker.
8. Cleaned up location for NMOCC inspection.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

REP. <u>Betty Bethamont</u>	TITLE <u>Manager</u>	DATE <u>11-4-77</u>
APPROVED BY <u>John W. Munger</u>	TITLE <u></u>	DATE <u></u>
ADDITIONAL APPROVAL, IF ANY:		

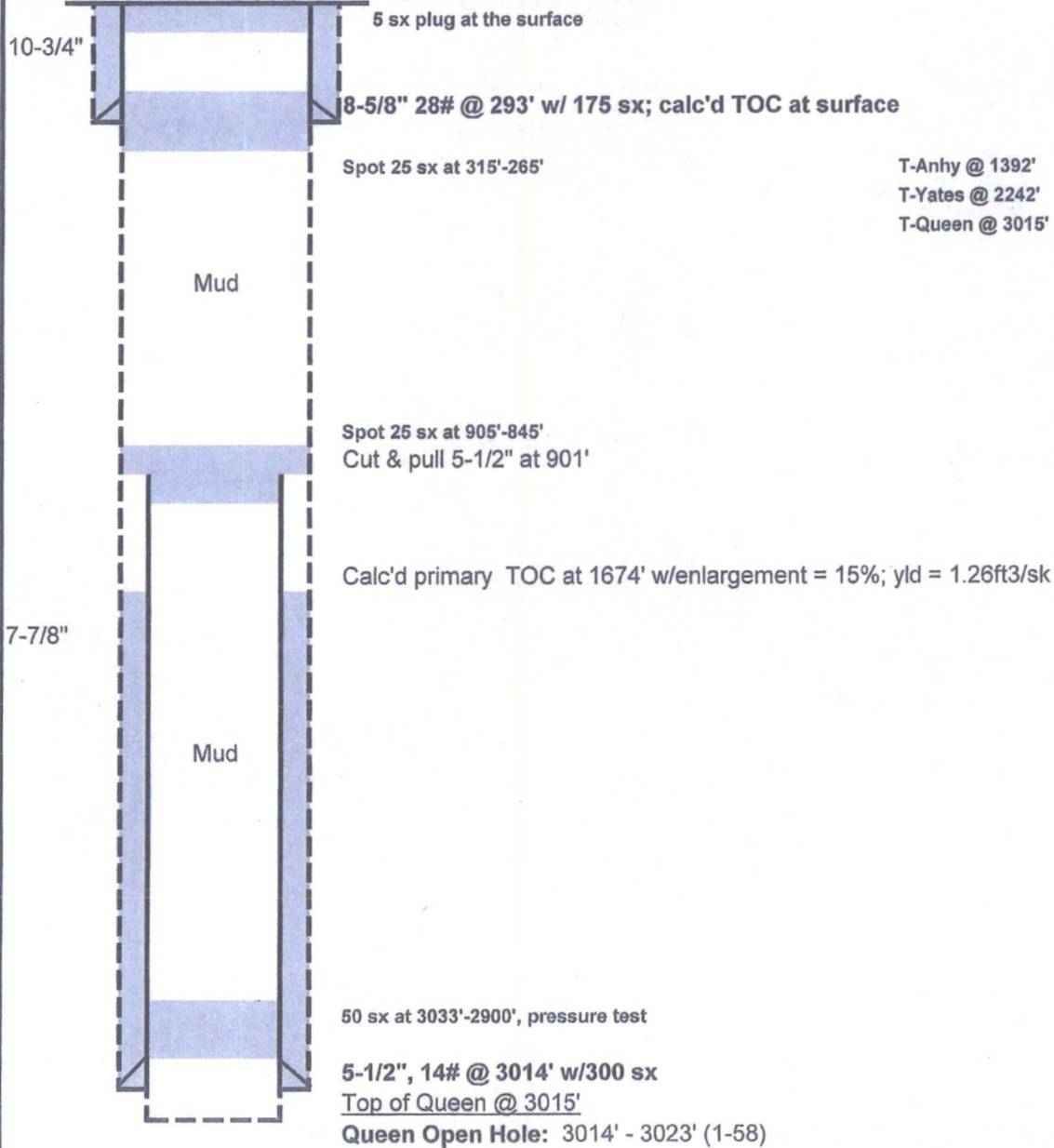
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 31 (formerly NCQU 1 TR 4 Sec 31G 31-7)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 4
STATE: New Mexico

Location: 2310' FNL & 1650' FEL, Sec 31G, T12S, R32E
 SPUD: 12/57 COMP: 1/58
 CURRENT STATUS: P&A Producer (07-64)
 Original Well Name: Graridge Corporation Malco St. 'A' #9

KB =
GL = 4,388'
API = 30-025-00186



PBTD - 3023'
 TD - 3023'

NEW MEXICO OIL CONSERVATION COMMISSION						FORM C-103 (Rev 3-55)	
MISCELLANEOUS REPORTS ON WELLS							
(Submit to appropriate District Office as per Commission Rule 110-10)							
Name of Company Graridge Corporation				Address P. O. Box 752, Breckenridge, Texas 76024			
Lesse Cap Unit		Well No. 31-7	Unit Letter G	Section 31	Township 12S	Range 32E	
Date Work Performed July 1 - July 20, 1964		Pool Caprock Queen		County Lea			
THIS IS A REPORT OF: (Check appropriate block)							
<input type="checkbox"/> Beginning Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input type="checkbox"/> Other (Explain): <input checked="" type="checkbox"/> Plugging <input type="checkbox"/> Remedial Work							
Detailed account of work done, nature and quantity of materials used, and results obtained.							
1. Pumped 50 sack cement plug 2900' - 3033' using 100 mud to pump plug with. 2. Pressure tested plug. 3. Cut off 5 1/2" casing at 901' and pulled. 4. Set 25 sack cement plug 845' - 905'. 5. Set 25 sack cement plug 265' - 315'. 6. Put 5 sack cement plug and pipe marker in top of surface pipe.							
Witnessed by B. B. Phillips		Position Superintendent		Company Graridge Corporation			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY							
ORIGINAL WELL DATA							
D F Elev.	T D	P B T D		Producing Interval		Completion Date	
Tubing Diameter		Tubing Depth		Oil String Diameter		Oil String Depth	
Perforated Interval(s)							
Open Hole Interval				Producing Formation(s)			
RESULTS OF WORKOVER							
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD	
Before Workover							
After Workover							
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by <i>Lester A. Clements</i>				Name <i>T. A. Ford</i>			
Title				Position Manager of Production			
Date				Company Graridge Corporation			

30-025-00186.

CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 31 (formerly NCQU 1 TR 3 Sec 31J 31-10)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 5
STATE: New Mexico

Location: 3300' FNL & 1980' FEL, Sec 31J, T12S, R32E

SPUD: 6/45 COMP: 7/45

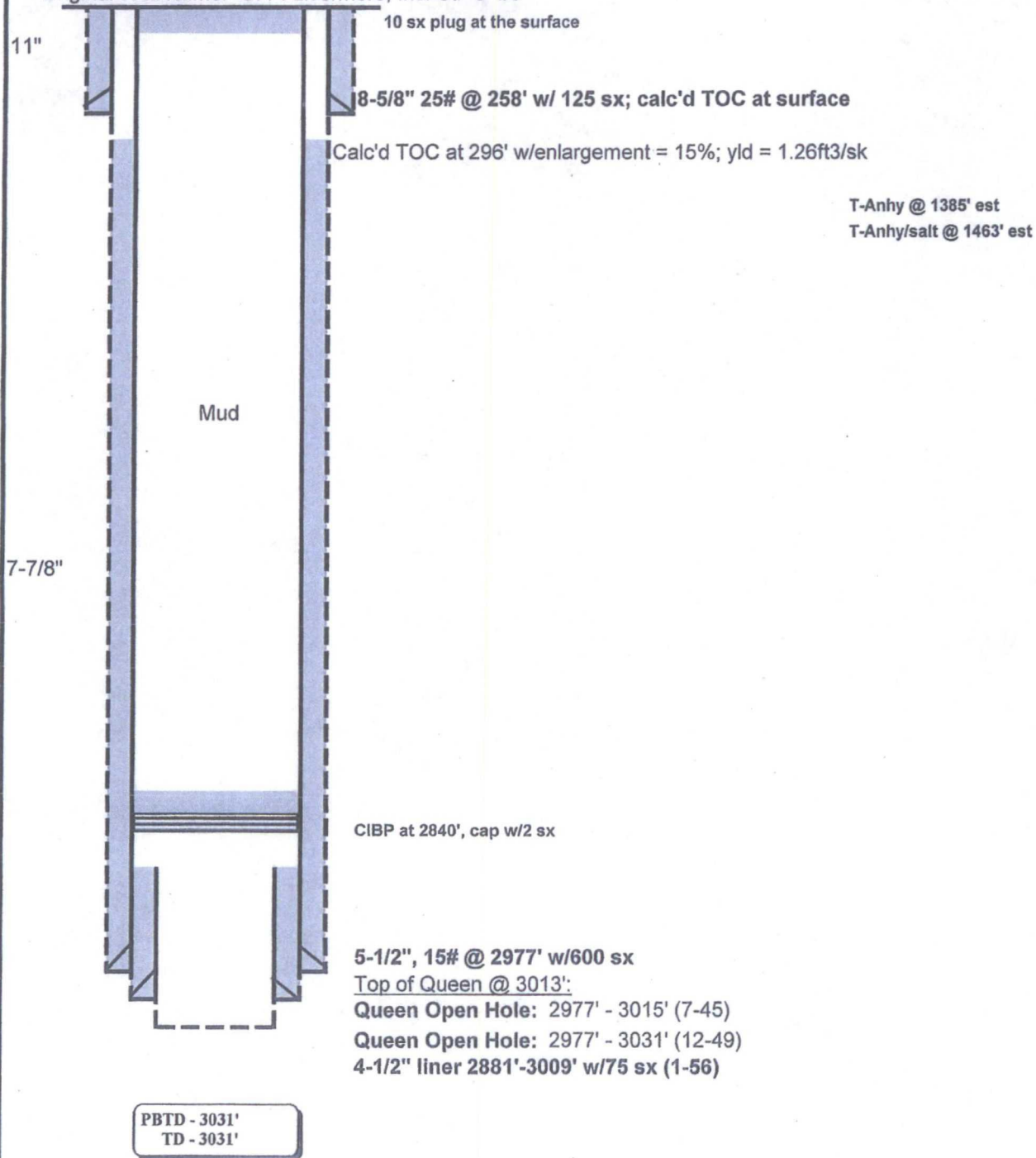
CURRENT STATUS: P&A Injector (06-69)

Original Well Name: G. P. Livermore, Inc. St. 'G' #5

KB =

GL =

API = 30-025-00197



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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-025-00197

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-70

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name North Caprock Queen Unit #1	
9. Well No. Tr.3 No. 10	
10. Field and Pool, or Wildcat North Caprock Queen	
12. County Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Injection well
2. Name of Operator American Petrofina Company of Texas
3. Address of Operator Box 1311, Big Spring, Texas 79720
4. Location of Well UNIT LETTER J 3300 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 12S RANGE 32E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIATION WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-30-69 Set C.I. bridge plug in 5-1/2" casing at 2840' and dumped 2 sks. cement on top plug.

Ran 2-3/8" tubing and circulated hole w/ mud laden fluid.

Placed 10 sk cement plug in top of 5-1/2" casing & set 4-1/2" pipe marker.

JCC:ft

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. M. Denson J.M. Denson TITLE Asst. District Mgr. of Prod. DATE 2/24/70

APPROVED BY John W. Runyan TITLE Asst. District Mgr. of Prod. DATE 2/24/70

CONDITION OF APPROVAL, IF ANY:

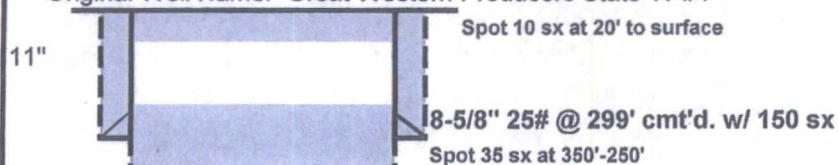
CELERO ENERGY

FIELD: Caprock
LEASE/UNIT: State 5 (formerly NCQU 1 TR 21 SEC 5D #4)
COUNTY: Lea

DATE: 1-Oct-12
BY: MWM
WELL: 1
STATE: New Mexico

Location: 660' FNL & 660' FWL, Sec 5D, T13S, R32E
 SPUD: 5/48 COMP: 5/48
 CURRENT STATUS: P&A Injector (01-75)
 Original Well Name: Great Western Producers State 'R' #1

KB =
GL = 4,379'
API = 30-025-00212



Calc'd primary T-O-C = 320' w/enlargement = 15%; yld = 1.26 ft³/sk

T-Anhy @ 1400' est
 T-Salt @ 1560 est



Set CIBP at 2950', cap w/25' (5 sx)

5-1/2" 14# @ 3030' w/600 sx

Top of Queen @ 3032'

Queen Open Hole: 3030' - 3045' (5-48)

4-1/2" liner from 3005' - 3035' & cemented (2-57); may be 3-1/2"

Queen Open Hole: 3035' - 3045' (2-57)

PBTD - 3045'
 TD - 3045'

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

30-025-00212

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name No. 1	
No. Caprock Queen Unit	
8. Farm or Lease Name	
No. Caprock Queen Unit	
9. Well No.	
Tract 21, Well No. 4	
10. Field and Pool, or Wildcat	
Caprock Queen (Lea)	
12. County	
Lea	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Injection Well
2. Name of Operator <u>Vega Rd.</u> <u>Thunderbird Oil Corporation</u>
3. Address of Operator <u>2383</u> <u>P. O. Box 1778, Midland, Texas 79701</u>
4. Location of Well UNIT LETTER <u>D</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>5</u> TOWNSHIP <u>13-S</u> RANGE <u>32-E</u> N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.) <u>4390'</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

8-5/8" @ 299' w/150 sx.
5-1/2" @ 3029' w/600 sx.
3-1/2" Liner @ 3005-3035'.

1-14-75

- Hole was displaced with salt base mud.
- CIBP was set @ 2950'.
- 5 sx. cement plug was set on top of the CIBP @ 2925' to 2950'.
- 5-1/2" casing was shot off and pulled from 1002'.
- Set 35 sx. cement plug in-and-out of 5-1/2" casing @ 1050' to 950'.
- Set 35 sx. cement plug in-and-out of 8-5/8" casing @ 350' to 250'.
- Set 10 sx. cement plug @ surface from 20' to 0' and erected 4-1/2" regulation dry hole marker.
- Cleaned up location for NMOCC inspection and approval.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>John Runyan</u>	TITLE <u>President</u>	DATE <u>Feb. 28, 1975</u>
APPROVED BY <u>John Runyan</u>	TITLE <u>President</u>	DATE <u>JUL 13 1976</u>
CONDITIONS OF APPROVAL, IF ANY:		

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Celero
Lease : Rock Queen
Well No.: 84
Location:
Attention:

Date Sampled : 17-July-2007
Date Analyzed: 20-July-2007
Lab ID Number: Jul2307.004- 1
Salesperson :
File Name : jul2307.004

ANALYSIS

1. Ph 6.500
2. Specific Gravity 60/60 F. 1.204
3. CACO3 Saturation Index @ 80F 1.125 Moderate
@ 140F 2.505 Severe

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide 300
6. Dissolved Oxygen Not Determined

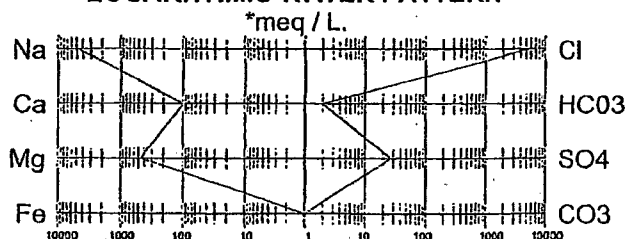
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 1,876 | / 20.1 = | 93.33 |
| 8. Magnesium (Mg++) | 5,310 | / 12.2 = | 435.25 |
| 9. Sodium (Na+) (Calculated) | 107,113 | / 23.0 = | 4,657.09 |
| 10. Barium (Ba++) | Not Determined | | |

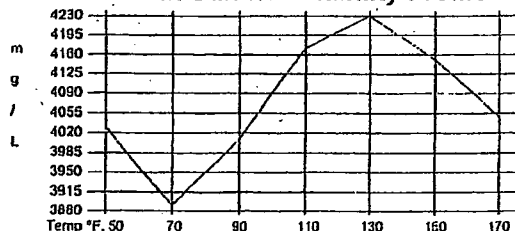
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 117 | / 61.1 = | 1.91 |
| 14. Sulfate (SO4=) | 1,300 | / 48.8 = | 26.64 |
| 15. Chloride (Cl-) | 182,959 | / 35.5 = | 5,153.77 |
| 16. Total Dissolved Solids | 298,675 | | |
| 17. Total Iron (Fe) | 11.50 | / 18.2 = | 0.63 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 26,544 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.001 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	1.91		81.04	155
CaSO4	26.64		68.07	1,813
CaCl2	64.78		55.50	3,595
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.00		60.19	0
MgCl2	435.25		47.62	20,726
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	4,653.75		58.46	272,058

* milliequivalents per Liter

Kevin Byrne, Analyst


709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8819


709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8818

LABORATORY NO. 1012-204
SAMPLE RECEIVED 10-12-12
RESULTS REPORTED 10-12-12

Form C-108
Affirmative Statement
Celero Energy II, LP
State 32 Well No. 4
Section 32, T-12 South, R-32 East, NMPM,
Lea County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.


Mike Metza
Sr. Production Engineer


Date

**Celero Energy II, LP
Form C-108: State 32 No. 4
Section 32, T-12 South, R-32 East, NMPM
Lea County, New Mexico**

Offset Operator/Leasehold Owner Notification List

All acreage located within a ½ mile radius of the State 32 Well No. 4 is currently leased by Celero Energy II, LP. The State 32 Well No. 4 is located on State of New Mexico Lease No. VO-8139. Consequently, as surface owner, notice of this application is being provided to:

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Additional Notice

Oil Conservation Division (Hobbs Office)
1625 N. French Drive
Hobbs, New Mexico 88240