

RECEIVED

JUL 29 2003

Case 13136

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery ☒ Pressure Maintenance ☐ Storage
Application qualifies for administrative approval? ☐ Yes ☒ No
- II. OPERATOR: MAEK ENERGY CORPORATION
ADDRESS: P.O. BOX 960, ARTESIA, NEW MEXICO, 88211-0960
CONTACT PARTY: D. SCOTT ATKINSON PHONE: 505.748.1288
- 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: D. SCOTT ATKINSON TITLE: ENGINEER
SIGNATURE: [Signature] DATE: 1 JULY 2003
E-MAIL ADDRESS: scotta@mackenergycorp.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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

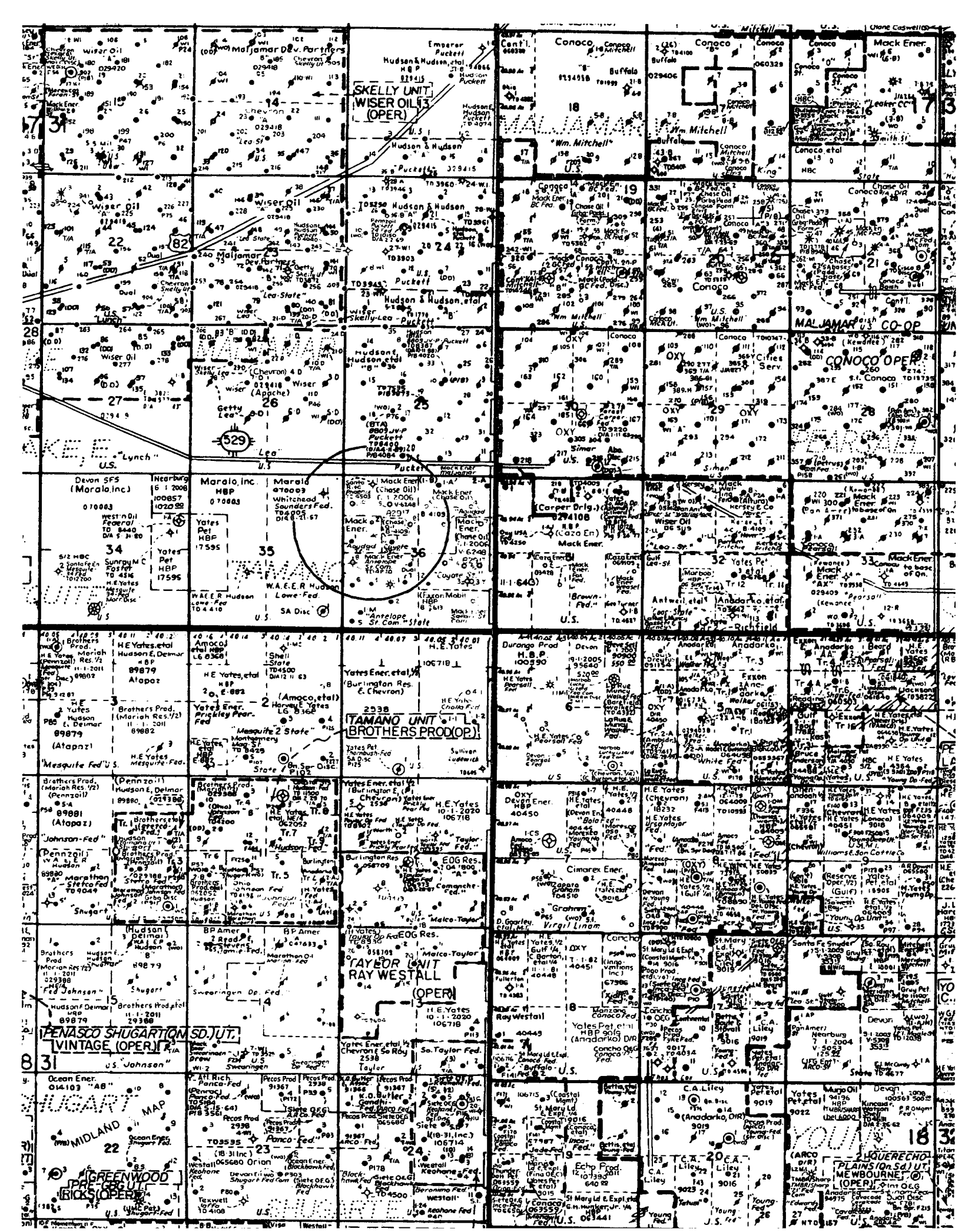
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

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.



New Mexico Oil Conservation Division Form C-108

Mack Energy Corporation
 Application for Authorization to Inject - Pressure Maintenance
 Mack 2 Aoudad State
 Unit Letter E, Section 36, Township 17 South, Range 31 East
 Maljamar (GB-SA) Field/Pool
 Wells in the area of review

Well Name	Well Type	Construction	Completion Date	Location	Total Depth	Completion
Mack 2 Aoudad State	SI well drilled as producer to be converted to injection	13 3/8 @ 803' w/650 sx., circ., 8 5/8 @ 2152' w/700 sx., circ., 5 1/2 @ w/575 sx. circ.	production testing complete, waiting on conversion	1650 FNL, 990 FWL, 36, 17S, 31E	4410	Grayburg-San Andres (GB-SA) @ 3957'-4027', acidized w/ 2700 gals., Frac w/ 109,000 gal + 122,240 lbs sd.
Hudson & Hudson 20 Puckett-Federal B	Injection well	8 5/8 @ 995' w/ 100 sx., 5 1/2 @ 3998' w/ 350 sx.	1/19/61	600 FSL, 1980 FWL, 25, 17S, 31E	4006	GB-SA @ 3464'-3970', Frac w/ 20,000 gal & 30,000 lb sand.
Whitehead 1 Saunders-Federal	D&A	8 5/8 @ 994' w/ 75 sx.	8/21/57	660 FNL, 660 FEL, 35, 17S, 31E	4005	
Mack 1 Antelope 36 State Com	Producer-gas	13 3/8 @ 823' w/ 450 sx., 8 5/8 @ 4025' w/ 1300 sx., 5 1/2 @ 12,800' w/ 12,800 sx.	2/24/02	1650 FSL, 1650 FWL, 36, 17S, 31E	12,800	Morrow @ 12,466'-12,496'
Mack 2 Antelope State	Producer-oil	13 3/8 @ 357' w/400 sx, 8 5/8 @ 2202' w/ 850 sx, 5 1/2 @ 4992' w/ 1050 sx.	6/4/02	990 FSL, 1650 FWL, 36, 17S, 31E	5000	GB-SA @ 4364'-4540', Frac w/ 148,200 gal & 225,000 lbs sand
Mack 3 Antelope State	Producer-oil	13 3/8 @ 805' w/ 700 sx., 8 5/8 @ 2213' w/ 800 sx., 5 1/2 @ 5032' w/ 1070 sx.	10/8/02	2310 FSL, 2310 FWL, 36, 17S, 31E	5042	GB-SA @ 3646'-3686', w/ 38,500 gal acid & 54,000 gal gel. San Andres @ 4278'-4352' w/ 28,000 gal & 65,000 lb sand.
Mack 4 Antelope State	Producer-oil	13 3/8 @ 363' w/ 400 sx., 8 5/8 @ 2144' w/ 1000 sx., 5 1/2 @ 5044' w/ 985 sx.	4/28/02	1650 FSL, 990 FWL, 36, 17S, 31E	5055	GB-SA @ 4235'-4326' Frac w/160,000 gal & 240,420 lb sand
Mack 6 Antelope State	Producer-oil	13 3/8 @ 826' w/ 650 sx., 8 5/8 @ 2207' w/ 1000 sx., 5 1/2 @ 4482' w/ 900 sx.	1/15/03	1600 FSL, 330 FWL, 36, 17 S, 31E	4495	GB-SA @ 4218'-4304', acid w/ 2250 gal., Frac w/ 139,500 gal. & 185,375 lbs. sd.
Mack 7 Antelope State	Producer-oil	13 3/8 @ 804' w/ 650 sx., 8 5/8 @ 2190' w/ 850 sx., 5 1/2 @ 4804 w/ 1090 sx.	11/20/02	1725 FSL, 2100 FWL, 36, 17S, 31E	4870	GB-SA @ 4275'-4420' Frac w/140,000 gal & 206,100 lb sand
Mack 8 Antelope State	D&A	13 3/8 @ 801' w/ 650 sx., 8 5/8 @ 2210' w/ 900 sx.	2/7/03	2310 FSL, 330 FWL, 36, 17S, 31E	4820'	
Mack 1 Aoudad State	Producer-oil	13 3/8 @ 823 w/ 650 sx., 8 5/8 @ 2213 w/ 900 sx., 5 1/2 @ 5039 w/ 1075 sx.	9/28/02	2310 FNL, 330 FWL, 36, 17S, 31E	5075	GB-SA @ 4020'-4186' Frac w/ 147,643 gal & 225,000 lb sand
Mack 3 Aoudad State	Producer-oil	13 3/8 @ 832' w/ 650 sx., 9 5/8 @ 2208' w/ 750 sx., 5 1/2 @ 4299' w/ 885 sx.	6/17/03	1650 FNL, 1650 FEL, 36, 17S, 31E	4327	GB-SA @ 3881'-4178', acid w/ 2500gal, frac w/ 634,962 lb. Sd.
Mack 5 Aoudad State	Completing	9 5/8 @ 2201 w/ 750 sx, 5 1/2 @ 4338' w/895 sx.		990 FNL, 2310 FEL, 36 17S, 31E	4343	
Mack 6 Aoudad State (Thompson 1 Maljamar State)	P&A'd producer	8 5/8 @ 1041' w/ 250 sx, 4 1/2 @ 4049' w/ 100 sx.	4/25/64	330 FNL, 1980 FEL, 36, 17S, 31E	4051	GB-SA @ 3923'-3978', Frac w/ 33,600 gal & 23,000 lb sand P&A 6/14/2003
Mack 1 Coyote State	Producer-oil	13 3/8 @ 814 w/ 650 sx., 8 5/8 @ 2212 w/ 900 sx., 5 1/2 @ 4762 w/ 1045 sx.	1/20/03	2310 FNL, 1650 FWL, 36, 17S, 31E	4797	GB-SA @ 4044'-4107', acidize w/ 1600 gal., frac w/ 81,480 gal & 146,195 lb sand
Mack 2 Coyote State	Producer-oil	13 3/8 @ 803' w/ 650 sx., 8 5/8 @ 2189 w/ 900 sx., 5 1/2 @ 4657 w/ 1030 sx.	2/4/03	1650 FSL, 2310 FEL, 36, 17S, 31E	4660	GB-SA @ 4321'-4559', acidize w/3500 gal, frac w/ 148,900 gal& 222,520 lb. Sd.
Mack 4 Coyote State	Producer-oil	13 3/8 @ 826' w/ 650 sx., 8 5/8 @ 2188' w/ 900 sx., 5 1/2 @ 4971' w/ 1010 sx.	3/13/03	2310 FSL, 1650 FEL, 36, 17S, 31E	5012	GB-SA @ 4234'-4359', acid w/ 2500 gal, frac w/ 161,280 gal & 186,000 lb sd. & 4626'-4671', acid w/ 5000 gal, frac w/ 7200 lb sd.
Mack 10 Coyote State	Producer-oil	13 3/8 @ 768' w/650 sx., 8 5/8 @ 2235' w/ 900 sx., 5 1/2 @ 4817' w/ 750 sx.	2/12/03	990 FNL, 330 FWL, 36, 17S, 31E	4825	GB-SA @ 3801'-3970', acis w/ 2100 gal, frac w/110,460 gal & 125,580 lb sd.
Mack 11 Coyote State (Santa Rita 1 Phoenix State)	Producer-oil (reentered D&A well)	8 5/8 @ 750' w/500 sx., 5 1/2 @ 4396' w/ 1450 sx.	6/18/03	330 FNL, 990 FWL, 36, 17S, 31E	4350	GB-SA @ 3883'-3893', acid w/ 1500 gal., frac w/ 108,000 gal & 244,000 lb sd.

New Mexico Oil Conservation Division Form C-108

Mack Energy Corporation

Application for Authorization to Inject – Pressure Maintenance

Mack 2 Aoudad State

Unit Letter E, Section 36, Township 17 South, Range 31 East

Well Data

1. Location: 1650' FNL, 990' FWL, Sec. 36, T17S, R31E
2. 13 3/8" casing set at 803' with 650 sacks circulated to surface.
3. 8 5/8" casing set at 2152' with 900 sacks circulated to surface.
4. 5 1/2" casing set at 4402' with a total of 575 sacks. 2 stage cement job using DV tool. Cement circulated to surface on both stages.
5. Tubing to be used is 3 1/2" J-55 internally plastic coated (IPC). It will be set with the packer at 3925'.
6. Packer to be used is a Halliburton 5 1/2" x 2 7/8" "Trump", stainless steel, to be set at 3925'. A 3 1/2" x 2 7/8" IPC swedge will be used to make up the packer to the tubing.

Completion Data

1. Injection zone will be the Grayburg-San Andres. The well is in the Maljamar (GB-SA) pool.
2. The injection interval is 3957'-4027'. It is perforated.
3. The well was drilled and tested as an oil producer.
4. Seven Rivers perf interval is 2641'-2854,' squeezed with 350 sacks of cement and tested to 4000 psi.
5. Queen perf interval is 3217'-3252,' squeezed with 50 sacks of cement and tested to 4000 psi.
6. Grayburg-San Andres perf interval from 4070'-4348,' squeezed with 400 sacks of cement and tested to 1000 psi.
7. The next higher oil or gas zone above the Grayburg-San Andres is the Queen at 3252' which was unproductive of oil or gas in this well.
8. The well was frac treated in the Grayburg-San Andres at 3957'-4027' with 109,000 gallons of gelled water and 122,240 lbs of sand.

Proposed System Data

1. 2000 barrels of water per day (bwpd) average, 3000 bwpd maximum.
2. 1000 psi injection wellhead pressure average, 2000 psi maximum.
3. System will be open.
4. Grayburg-San Andres produced water will be reinjected into the Grayburg-San Andres zone.

Geologic Data

Injection zone is the Grayburg-San Andres. This zone has a gross thickness in excess of 820'. The top of the zone is at 3590' in this well and extends below the total depth of the well. A copy of the open hole well log is included in this application.

Any zones that could contain water of <10,000 mg/l total dissolved solids are above 800'. These zones are behind two strings of casing, the 13 3/8" and the 8 5/8". The vertical distance between the injection zone and any possible zone of water of <10,000 mg/l total dissolved solids is at least 3157'. There are no known zones containing water of <10,000 mg/l total dissolved solids below the Grayburg-San Andres.

There are no known fresh water wells within a one-mile radius of the subject well. The nearest known fresh water well is 1 1/4 mile to the west and a second well that is 1 3/4 mile to the south-southeast.

There are no open faults or any other hydrologic connection between the injection zone and any underground source of drinking water.

COMPANY
LEASE & WELL NO. AQUAD #2
FORMATION GRABURG-SAN ANDRES
COUNTY & STATE 36, 17, 31, EDDY CO.

MACK ENERGY CORPORATION

Post Office Box 960
Artesia, New Mexico 88211-0960
Office: (505) 748-1288 • Fax (505) 746-9539

MALJAMAR GRABURG-SAN ANDRES

PRESSURE MAINTENANCE

APPLICATION FOR AUTHORIZATION TO INJECT

13^{3/8}" @ 803', 600 SX. CIRC. TO SURFACE

8^{5/8}" @ 2152', 900 SX. CIRC. TO SURFACE

⑤ PERF 2641'-2834.5' (14), BREAKDOWN ~ 2100 GAL ACID, SWAB TEST,
FRAC ~ 71,000 GAL + 118,620 LB. SD., PUMP TEST, SQZ ~ 350 SX., TEST (4000 PSI).

④ PERF 3217'-3252' (16), BREAKDOWN ~ 1000 GAL ACID, SWAB TEST,
SET RBP @ 2951', RUN RBP, PUMP TEST ~ ⑤, SQZ ~ 50 SX., TEST TO 4000 PSI.

③ PERF 3957'-4027', BREAKDOWN ~ 2700 GAL ACID, SWAB TEST, SET
C.B.P. @ 3860'. AFTER TEST & SQZ OF ④ & ⑤: FRAC ~ 109,000 GAL +
122,240 LB. SD., PUMP TEST, S.I., WAIT ON CONVERSION TO INJECTION.

② PERF 4070'-4204.5', BREAKDOWN ~ 2500 GAL ACID, SWAB TEST,
SQUEEZE ~ 200 SX TO 1000 PSI. SQUEEZE 4070'-4348' TESTED TO 1000 PSI.

① PERF 4246'-4348', BREAKDOWN ~ 2500 GAL ACID, SWAB TEST,
SQUEEZE ~ 200 SX. TO 3500 PSI.

5^{1/2}" @ 4402', 575 SX, DV TOOL @ 3518', CIRC. TO SURFACE TWICE

TD 4410'

ZONES: ⑤ IS SEVEN RIVERS

④ IS QUEEN

③ IS GRABURG

② & ① ARE SAN ANDRES

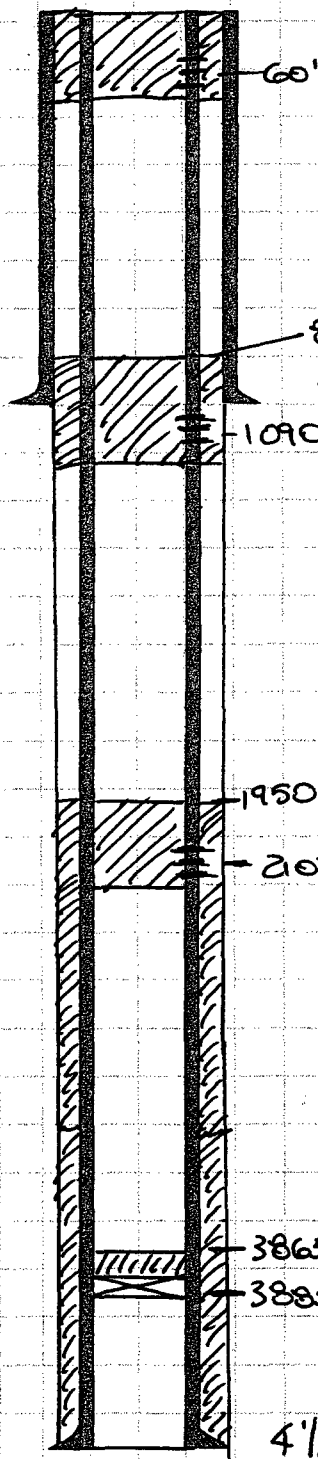
⊗ PROPOSAL: 3^{1/2}" INTERMEDIATE PLASTIC COATED TUBING TO BE SET @ 3925' ±
ON A HALLIBURTON 5^{1/2} X 3^{1/2} TRUMP PACKER, ALSO 1 PC.

COMPANY MACK
LEASE & WELL NO. 6 AQUADAR STATE
FORMATION GRANBURY - SAN ANDRES
COUNTY & STATE EDDY, NEW MEXICO

MACK ENERGY CORPORATION

Post Office Box 960
Artesia, New Mexico 88211-0960
Office: (505) 748-1288 • Fax (505) 746-9539

OLD THOMPSON 1 MALTAMAR - STATE
330 FNL, 1980 FEL, 36,175,31E



3 5/8" @ 1041' + 250 SX

1. SET CIBP @ 3885' + 35' CMT CAP.
TAG CMT @ 3865'

2. PERF @ 2105' PUMP 45 SX CMT
PLUG @ 1895' TAG CMT @ 1950'

3. PERF @ 1090', PUMP 65 SX CMT
PLUG @ 788', TAG CMT @ 880'

4. PERF @ 60', CIRC. CMT TO
SURFACE + 85 SX.

4 1/2" @ 4049' + 100 SX.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

WELL API NO.
30-015-10400

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-4109

7. Lease Name or Unit Agreement Name

Aoudad State

8. Well No.
6

9. Pool name or Wildcat
Maljamar GB SA

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. Type Of Well:
OIL ☒ GAS ☐
WELL WELL OTHER

2. Name of Operator
Mack Energy Corporation

3. Address of Operator
P.O. Box 960, Artesia, NM 88211-0960

4. Well Location
Unit Letter B : 330 Feet From The North Line and 1980 Feet From The East Line
Section 36 Township 17S Range 31E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER ☐

12. 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.

06/13/2003 Set CIBP @ 3885' w/ 35' cement cap, perforated @ 2105' (witness by State), tag cement @ 3865'.
06/14/2003 RIH w/R-4 PKR, pump 45 sx plug @ 1895', tag @ 1950', perforated @ 1090', packer set @ 788', pumped 65 sx, tag @ 880',
perforated @ 60' and circulate cement to surface w/85 sx.
06/15/2003 Tag cement 5' from surface. Install dry hole marker.

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

SIGNATURE Jerry W. Sherrell TITLE Production Clerk DATE 7/1/2003

TYPE OR PRINT NAME Jerry W. Sherrell TELEPHONE NO. 748-1288

(This space for State Use)

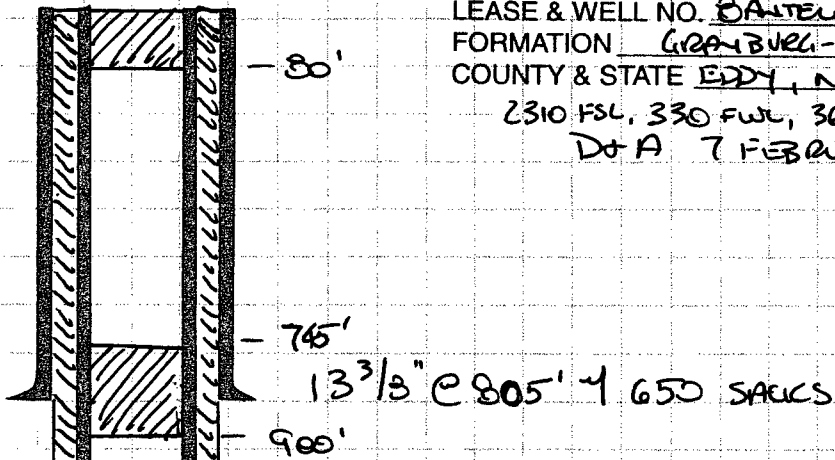
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COMPANY MACK
LEASE & WELL NO. BANTELOPE STATE
FORMATION GRANBURLI-SAN ANDRES
COUNTY & STATE EDDY, NEW MEXICO
2310 FSL, 330 FWL, 36, 175, 31 E
D/A 7 FEBRUARY 2003

MACK ENERGY CORPORATION

Post Office Box 960
Artesia, New Mexico 88211-0960
Office: (505) 748-1288 • Fax (505) 746-9539



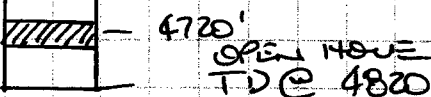
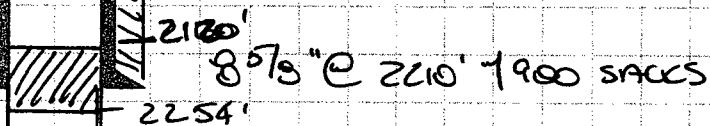
1. SPOT 25 SACK PWG @ 4720'

2. SPOT 50 SACK PWG @ 3538'

3. SPOT 100' PWG @ 2254' TAG
TOP @ 2120'

4. SPOT 100' PWG @ 900' TAG
TOP @ 745'

5. SPOT 80' SURFACE PWG.



Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

WELL API NO.
30-015-32584

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-3627

7. Lease Name or Unit Agreement Name

Antelope State

8. Well No.

9. Pool name or Wildcat
Undesignated Maljamar GB SA

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. Type Of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Mack Energy Corporation /

3. Address of Operator
P.O. Box 960, Artesia, NM 88211-0960

4. Well Location
Unit Letter L : 2310 Feet From The South Line and 330 Feet From The West Line
Section 36 Township 17S Range 31E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3810' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☒ Spud and Cement Casings, Plug well

12. 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.

01/25/2003 Spud 17 1/2 hole @ 6:30 PM.
01/27/2003 8:30 AM TD 17 1/2" hole @ 805'. RIH w/20 joints 13 3/8" 68# H-40 set @ 801', Cemented w/450 sx 35-65-6, 1/4# CF, 3# salt tail in w/200 sx Class C, 2% CC, circ 55 sx, plug down @ 4:45 PM. WOC 18 hours tested casing to 1800# for 30 minutes, held OK.
01/30/2003 8:15 AM TD 12 1/4 hole @ 2210', RIH w/49 joints 8 5/8" 32# J-55 ST&C set @ 2204'. Cemented w/700 sx 35-65-6, 1/4# CF, 3# salt, tail in w/200 sx Class C, 2% CC, circ 70 sx, plug down @ 3:30 PM. WOC 12 hours tested casing to 600# for 20 minutes, held OK.
02/07/2003 TD 7 7/8" hole @ 4820', log well. Called OCD (Jerry Guy) got procedure to plug, spot 25 sx plug @ 4720', spot 50 sx plug @ 3538', spot 100' plug @ 2254' 50' above and below 8 5/8" casing, WOC tag @ 2120', spot 100' plug @ 900' WOC tag @ 745' 50' above and below 13 3/8" casing, spot 80' surface plug.

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

SIGNATURE Crissa D. Carter TITLE Production Analyst DATE 2/28/2003

TYPE OR PRINT NAME Crissa D. Carter TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE District Supervisor DATE MAR 04 2003

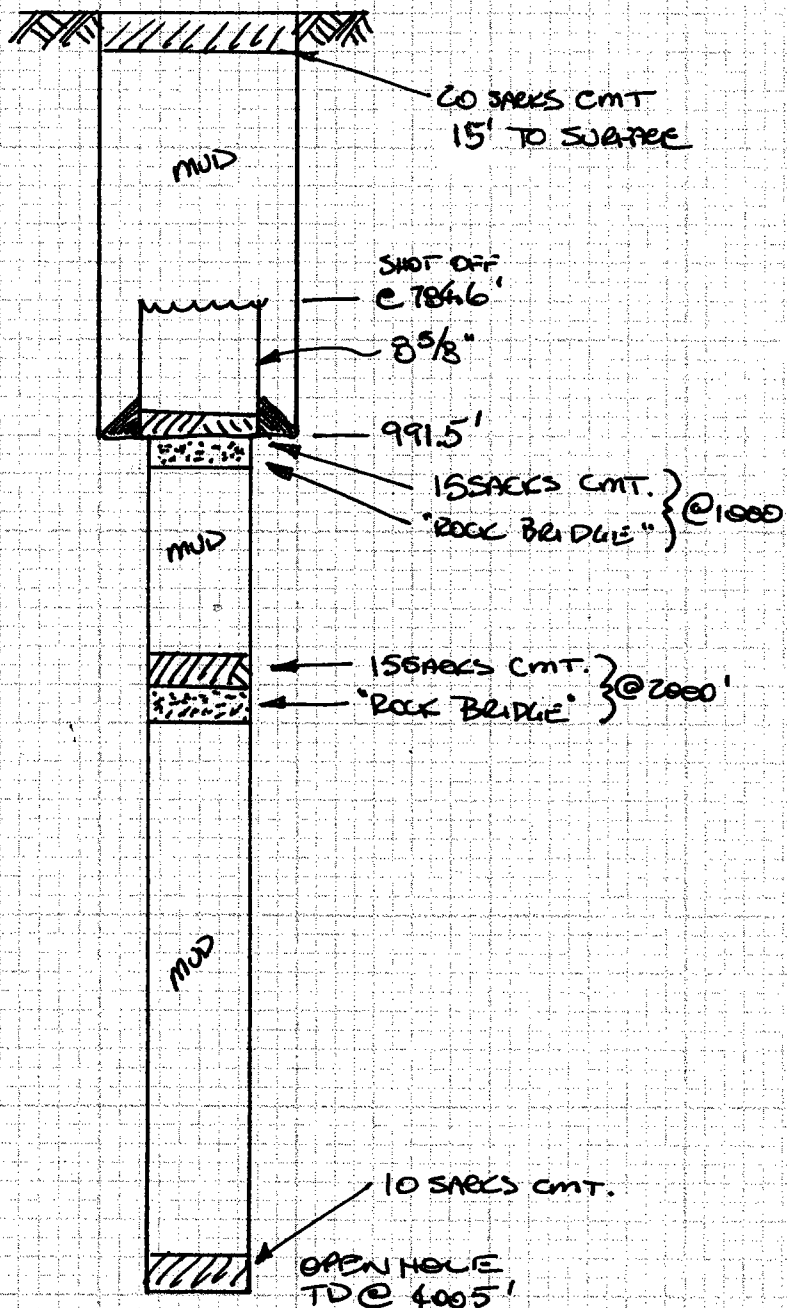
CONDITIONS OF APPROVAL, IF ANY:

COMPANY _____
LEASE & WELL NO. _____
FORMATION _____
COUNTY & STATE _____

MACK ENERGY CORPORATION

Post Office Box 960
Artesia, New Mexico 88211-0960
Office: (505) 748-1288 • Fax (505) 746-9539

WHITEHEAD 1 SAUNDERS - FEDERAL
600 FNL, 600 FEL, SEC 35, 17S, 31E
EDDY CO. NEW MEXICO
D&A 6 SEPT. 1957

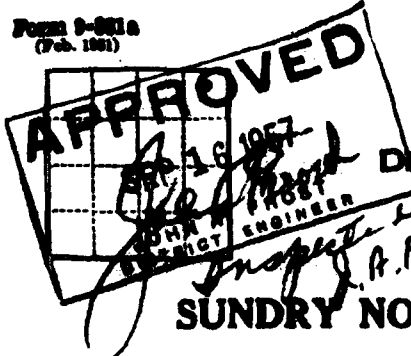


1. DUMPED 10 SX CMT ON BOTTOM
2. "MUDDIED BACK" TO 2000'
3. PUT IN ROCK BRIDGE @ 2000'
4. DUMP 15 SX. CMT @ 2000'
5. MUDDIED BACK TO 1000'
6. PUT IN ROCK BRIDGE @ 1000'
7. DUMP 15 SX. CMT @ 1000'.
8. PLUGGED BACK TO 15' OF SURFACE
9. DUMPED 20 SACKS CMT @ 15' TO SURFACE (BTM OF CELLAR
10. PUT 4' PIPE ABOVE THE GROUND & CLEARED LOCATION.

WHITEHEAD 1 SANDERS - FEDERAL

ARTESIA OFFICE COPY

Form 9-581a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Form No. 4-2584
Approval expires 12-31-51.

Lead Office

San Antonio

Lease No.

070001

Unit

6A

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Sanders-Federal

September 6th

19 57

Well No. 1 is located 660 ft. from (N) line and 660 ft. from (E) line of sec. 35

NE/NE Sec. 35

178

31E

180N

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Midland

Body

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 3828 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

The well was plugged in accordance with verbal permission by the USGS. Dumped 10 sacks cement on bottom; mudded back to 2000' and put in rock bridge; dumped 15 sacks cement on rock bridge at 2000'; mudded back to 1,000' put in rock bridge, dumped 15 sacks cement on rock bridge; plugged back to 15' of surface, dumped 20 sacks cement, and filled up to bottom of cellar. Put a 4" pipe above the ground, with permanent marker showing Whitehead-Sanders-Federal #1. Location cleared and restored to natural state.

ILLEGIBLE

RECEIVED
SEP 16 1957

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Robert B. Whitehead

Address P. O. Box 2956

Midland, Texas

xRx

