

American Hunter Exploration Ltd.
2000, 605 - 5th Ave. S.W.
Calgary, Alberta T2P 3H5
(403) 260-1000

american hunter

September 1, 1993

B-28-27N-2W

Energy, Minerals and Natural Resources
State of New Mexico
District III
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

RECEIVED
SEP 21 1993
OIL CON. DIV.
DIST. 3

Attention: Oil Conservation Division

Dear Sir/Madam:

Re: Submission of C-104 Form
Jicarilla 28B-1, West Puerto Chiquito

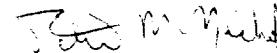
On July 30, 1993, American Hunter Exploration Ltd. submitted a C-104 form requesting authorization to transport oil from the Jicarilla 28B-1 West Puerto Chiquito well.

We are now submitting the information as required by the Oil Conservation Divisions, Rules and Regulations. Specifically, three additional copies of form C-104 in accordance with Rule 1104, a tabulation of deviation tests in accordance with Rule 111, and a summary of the pressure test of the casing in accordance with Rule 107.

If you have any questions regarding our submission, please contact the undersigned at (403) 260-1857.

Yours sincerely,

American Hunter Exploration Ltd.



Peter McNichol
District Operations Engineer

/jch
Enclosures
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ENRE CORPORATION / AMERICAN HUNTER EXPLORATION LTD.
DAILY COMPLETION REPORTS

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

February 01, 1993 Cold night, heavy snow early morning, mild
partly sunny day, thawing, very muddy roads
T.D. 7,327' P.B.T.D. 7280' Well shut in for testing.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

February 01, 1993 Cold night, heavy snow early morning, mild
partly sunny day, thawing, very muddy roads
Continuing to pump well allowing casing to flow through flow
line to frac tank. F.C.P. 50 psi.

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

February 01, 1993 Cold night, heavy snow early morning, mild
partly sunny day, thawing, very muddy roads
T.D. 7380' S.I.T.P. nil. Ran tubing in from 7-5/8" casing,
tagged T.D. at 7380', pulled off of hole without circulating
hole. Released and rigged down Mountain Air compressors; loaded
out same to move to yard. One haul truck broke down in middle of
road blocking all traffic from 10 AM to 5 PM. Rigged up
Halliburton logging, ran continuous drift survey from 7-5/8"
casing shoe at 7,014' to P.B.T.D. of 7,377'. Secured well, SI
waiting for frac procedure. During night hauled Western sand
equipment and 100,000# 20/40 mesh sand to location, set and
loaded. Hauled frac water with 6 water trucks. Roads in
extremely poor condition with only slight freeze in some areas.
Daily cost \$10,000

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

February 01, 1993 Cold night, heavy snow early morning, mild
partly sunny day, thawing, very muddy roads
T.D. 7,610' P.B.T.D. 7,594' Waiting on pump unit and production
equipment to be installed

\$198,562

EnRe CORPORATION
4940 BROADWAY
SAN ANTONIO, TEXAS 78209
phone 210-826-0681

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DAILY COMPLETION REPORTS

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 30, 1993 Cold night, warm sunny day, ground thawing,
snow packed roads and location melting
T.D. 7,327' P.B.T.D. 7280' S.I.T.P. 1060 psi Well shut in
for testing.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 30, 1993 Cold night, mild day, surface thawing,
roads muddy
Continuing to pump well allowing casing to flow through flow
line to frac tank, F.C.P. 50 psi.

January 31, 1993 Cold night, warm sunny day, thawing muddy
roads

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 30, 1993 Cold night, mild day surface thawing
extremely muddy roads
T.D. 7380' S.I.T.P. 100 psi. Bled well down; rigged up
blouie line; rigged up Mountain Air 2 compressors, 1 booster
and mist pump; TIH to 6900', blew well with air mist; TIH to
7300'; cleaned well out to T.D. 7380'. Circulated hole dry,
pulled tubing back into 7-5/8" casing. Secured well, SION.
Daily cost \$6,000

January 31, 1993 Cold night, warm sunny day, surface
thawing, extremely muddy roads
T.D. 7380' Well shut in for Sunday.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 30, 1993 Cold night, warm sunny day, thawing, very
muddy roads
T.D. 7,610' P.B.T.D. 7,594' Waiting on pump unit and
production equipment to be installed

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M
RIO ARriba COUNTY, NEW MEXICO

January 27, 1993 Cold night, mild day, ground thawing, snow packed roads and location
T.D. 7,327' P.B.T.D. 7280' Moved in Nowcam Services coiled tubing and nitrogen truck. .Flowed well while rigging up. RU, T1H, tagged sand in 6-1/4" open hole at 6970' began washing sand with nitrogen and foam to 7100', nitrogen pump broke down, continue to attempt to wash with foam and natural gas flow from well, worked tip of tubing to 7230' but unable to clean hole sufficiently to be able to work in and out of hole, pulled tubing to wait on replacement nitrogen truck. Secured well, SION. Daily cost \$5000

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 27, 1993 Cold night, cool day, surface thawing
Pumping well to recover frac fluid; pumped 5 BIF 3% oil cut, F.C.P. 50 psi, casing flowing 400 MCF/D gas to tank

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 27, 1993 Cold night, mild day surface thawing very muddy roads
Moved in and rigged up Drake Well Service Rig 28, SITP 300 psi, bled well down, installed BOPs, pick up 10 joints tubing, tagged bottom in open hole and started trip out strapping tubing. Preparing to fracture treat well Sunday Jan. 31st. Secured well, SION Daily cost \$3000

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 27, 1993 Cold night, mild day very muddy roads
T.D. 7,610' P.B.T.D. 7,594' Waiting on pump unit and production equipment to be installed

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JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 26, 1993 Cold night, cool day, surface thawing
Pumping well to recover frac fluid; pumped 15 BTF, 5 bbl. oil and 10
bbl. water, F.C.P. 50 psi, casing flowing 400 MCF/D gas to tank

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 26, 1993 Cold night, cool day surface thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.C.P. 500 psi, S.I.T.P. 50 psi. Bled
tubing and casing down, pumped 50 bbl. water down tubing to wash
clean, set 2"X1-1/2"x20' RWBC top seal, bottom hold down pump,
194-3/4"x25' Grade D Sucker rods, 103-7/8"x25' Brade D Sucker rods,
1-7/8"x8' pony rod, 1"x20' polish rod, spaced out and set pump in
seat nipple. Loaded tubing with water, pressured up to 600 psi,
worked pump with rig with good pump action. Secured well, waiting on
installation of pump unit. Rigged down Drake Rig 28 to move to
Jicarilla 24N-1. Daily cost \$2,500

\$198,562

01-25-1993 07:16AM FROM P. ROBERTSON J.H. ASHFORD TO 8-0403280114377

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JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 24, 1993 Cold windy night, cool day, ground thawing
Restarted pump unit engine, pumping well to recover frac fluid
through 10/64" choke, F.C.P. 65 psi, casing flowing 400 MCF/D gas to
tank.

January 25, 1993 Cold night, cool day, surface thawing
Pumping well to recover frac fluid, no fluid produced, F.C.P. 45
psi, casing flowing 400 MCF/D gas totank

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 24, 1993 Cold windy night, cool day ground thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.C.P. 480 psi, S.I.T.P. 152 psi
Pulling unit shut down for Sunday

January 25, 1993 Cold night, cool day surface thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.C.P. 500 psi, S.I.T.P. 152 psi. Bled
tubing down, unloaded new rod strings, picked up 2"X1-1/2"x20' RWBC
top seal, bottom hold down pump, 194-3/4"X25' Grade D Sucker rods,
100-7/8"X25' Grade D Sucker rods, tagged bridge or tight spot in
2-3/8" tubing. Insatalled polish rod secured well, SION Daily cost
\$13,100

\$196,062

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 23, 1993 Cold windy night, cool day, ground thawing
T.D. 7,327' P.B.T.D. 7280' S.I.T.P. 1360 psi. Well shut in, potential
test waiting for clean out of frac sand from open hole. Waiting on
service company equipment and weather.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 23, 1993 Cold windy night, cool day, ground thawing
Pumping well to recover frac fluid, F.C.P. 50 psi, casing flowing 400
MCF/D gas to tank; 8/64" choke on tubing side frozen this AM with 800
psi S.I.T.P.; opened choke, flowed 12 bbls. total fluid to tank
(unable to kolorkut until fluid settles). Pump unit engine died in
afternoon. Left gas flowing from casing overnight.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 23, 1993 Cold windy night, cool day ground thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.C.P. 420 psi, S.I.T.P. 152 psi Pulling
unit shut down for Saturday and Sunday

\$182,962

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 22, 1993 Cold night, cool day, ground thawing
T.D. 7,327' P.B.T.D. 7280' S.I.T.P Well shut in, potential test
waiting for clean out of frac sand from open hole. Waiting on service
company equipment and weather.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 22, 1993 Cold night, cool day, ground thawing
Pumping well to recover frac fluid, recovered no fluid from tubing,
gas flowing from casing at 30 psi FCP.

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 22, 1993 Cold night, cool day, ground thawing
T.D. 7380' Waiting on weather to perform fracture treatment.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 22, 1993 Cold night, cool day ground thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.C.P. 370 psi, tubing left open
overnight, no pressure at 7:00 AM. F.L. 5,000', cal.BHP 1,006 psi at
7455' mid perforation datum. First swab run pulled 500' fluid 80% oil
cut; well flowed 25 minutes and died. Second swab run pulled 1000'
fluid; first fluid recovered was water then turned to oil. Well
continued flowing gas with mist of oil and water at rate of 470 MCF/D
dropping to 250 MCF/D in 15 min; flowed 4 bbls. fluid in 1 hr. 5 min.
Pulled total 9 swab runs in 8 hours; recovered 50 BTF ave. 50% high
paraffin green oil cut; final swab rate 6 BTF per hour, 50% oil cut.
Final casing pressure 160 psi. 1359 BLWTBR. Daily cost \$3,000

\$182,962

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 21, 1993 Cold night, cool day, ground thawing
T.D. 7,327' P.B.T.D. 7280' S.I.T.P. 1350 psi Well shut in, potential
test waiting for clean out of frac sand from open hole. Waiting on
weather.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 21, 1993 Cold night, cool day, ground thawing
Pumping well to recover frac fluid, recovered no fluid from tubing,
flowed 25 bbl.oil from casing, gas flowing from casing at rate of 403
MCF/D, 110 psi FCP on 26/64" choke. Dropped casing pressure to 35 psi

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 21, 1993 Cold night, cool day, ground thawing
T.D. 7380' Waiting on weather to perform fracture treatment.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 21, 1993 Cold night, cool cloudy day
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 480 psi Blew
gas down in 25 min., swabbed well 1 run, F.L. 6500', recovered 60'
green oil, well kick off and flowed at 25 psi on 2" choke for 1 hr. 25
min. recovering 15% green oil cut that dropped to 5%. Swabbed well
total 14 times; well flowed at least 30 min. after each run. Swabbed
10 hours, recovered 80 BTF with 20% green oil cut and average of 200
MCF/D gas. Final 5 swab runs averaged 350'(2 bbl.) fluid every 30
minutes w/ 20% green oil cut. Final casing pressure 155 psi. Left well
flowing gas to pit on 18/64" choke. Daily cost \$3,000.

\$ 179,462

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JICABILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 20, 1993 Cold night, cool day, ground thawing
T.D. 7,327' P.B.T.D. 7280' S.I.T.P. 1350 psi Well shut in, potential
test waiting for clean out of frac sand from open hole. Waiting on
weather.

JICABILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 20, 1993 Cold night, cool day, ground thawing
Pumping well to recover frac fluid, recovered no fluid, gas flowing
from casing at rate of 403 MCF/D, 110 psi FCP on 26/64" choke.

JICABILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 20, 1993 Cold night, cool day, ground thawing
T.D. 7380' Waiting on weather to perform fracture treatment.

JICABILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 20, 1993 Cold night cool day, ground thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 540 psi. Well
flow 25 min. on 2" choke; swabbed 3 runs; F.L. 6000' rec. 6% green
oil on first swab run; well kicked off and flowed several times
during day. Swabbed and flowed well 10 hours; recovered 100 bbl.
frac water with trace of green oil and frac sand with strong flow
rates of natural gas, 1460 BLWTBR. Secured well, SION Daily cost
\$3,000.

\$ 17646.2

***** P A R T I A L R E P O R T *****

January 21, 1993 Cold night, cool cloudy day
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 480 psi Blew
gas down in 25 min., swabbed well 1 run, F.L. 6500', recovered 60'
green oil, well kick off and flowed at 25 psi on 2" choke,
recovering 15% green oil cut that dropped to 5%, flaring gas with
large volumes of fluid. Swabbed well in 4 times by noon, recovering
100' of oil on top each swab run, flowing frac water w/ 15% oil cut
and gas at rates up to 450 MCF/D when well kicks off, casing
pressure has dropped to 280 psi.

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SAN ANTONIO, TEXAS 78209
phone/FAX 210-826-0681

January 19, 1993

Mr. Calvin Michelson
EnRe Corporation
4940 Broadway
San Antonio, Texas 78209

Subject: Well cost estimates
1992 Jicarilla Apache drilling program
Rio Arriba County, New Mexico

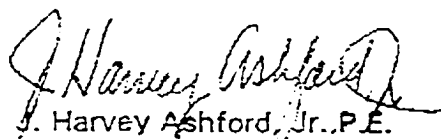
Dear Mr. Michelson:

Mr. Jeff Kim has requested that I give him the cumulative cost of our four well drilling program. I have totalled up the daily estimated cost for drilling through intermediate casing, completion beginning with drilling the Gallup/Mancos open hole through placing the well on production, estimated the cost of installed and operating production equipment and estimated the cost of gas pipe line from the individual wells to the gas line being laid from Jicarilla 3F to the Northwest Pipeline system. The following schedule of well costs are relatively accurate through drilling and casing, estimated fairly accurately through completion costs where the work has been done and estimated for future expected completion, production equipment and pipe line hookup costs.

	Drilling / Casing cost Dollars	Completion Cost Dollars	Production Equip. cost Dollars	Pipe line Cost Dollars	Est. total Well cost Dollars
Jicarilla 18I-1	306,334	286,360	75,000	80,000	747,694
Jicarilla 2A-1	322,929	168,230	40,500	200,000	731,659
Jicarilla 28B-1	353,389	182,694	93,000	200,000	829,083
Jicarilla 24N-1	461,923	185,000	70,000	100,000	816,923
Totals	1,444,575	822,284	278,500	580,000	3,125,359
Running total		2,266,859	2,545,359	3,125,359	

Obviously we do not have a good handle on the type production equipment needed on Jicarilla 28B-1 and Jicarilla 24N-1 nor the completion costs on Jicarilla 24N-1 but the estimates included are reasonable and I expect in line with what will actually be spent. A small amount (\$20,000) of road work is included in the estimated costs of production equipment on the Jicarilla 24N-1 to prepare the road for hauling oil from that location. With your approval I will FAX a copy of this letter to Mr. Jeff Kim, American Hunter in Denver.

Respectfully submitted,


J. Harvey Ashford, Jr., P.E.

Xc: Mr. Jeff Kim

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SAN ANTONIO, TEXAS 78209
phone 210-826-0681

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DAILY COMPLETION REPORTS

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO

January 19, 1993 Cold night winter storm warning, snowing hard wet snow, ground thawing
T.D. 7,327' P.B.T.D. 7280' Well shut in, planning for clean out of frac sand from open hole. Waiting on weather.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO

January 19, 1993 Cold night winter storm warning, snowing hard wet snow, ground thawing
Pumping well to recover frac fluid, recovered 5 bbl fluid, 3% green oil cut, gas flowing at rate of 430 MCF/D from casing, 130 psi FCP on 24/64" choke.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO

January 19, 1993 Cold night winter storm warning, snowing hard wet snow, ground thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 600 psi. Well flow 25 min. on 18/64" choke; swabbed 5 runs; F.L. 5000' trace of green oil and one slug of frac sand; well kicked off and flowed 2 hours at rates up to 564 MCF/D; well was swabbed and kicked off four more times during afternoon. Swabbed and flowed well 10 hours; recovered 200 bbl. frac water with trace of green oil and frac sand with strong flow rates of natural gas, 1560 BLWTBR. Secured well, SION Daily cost \$3,000. \$173,462

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO

January 19, 1993 Cold night winter storm warning, snowing hard wet snow, ground thawing
T.D. 7380' Waiting on weather to perform fracture treatment.

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SAN ANTONIO, TEXAS 78201
phone 210-826-0681

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DAILY COMPLETION REPORTS

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 18, 1993 Cold night winter storm warning, snowing hard wet snow, melting surface
T.D. 7,327' P.B.T.D. 7280' Well shut in, planning for clean out of frac sand from open hole. Waiting on weather.

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 18, 1993 Cold night winter storm warning, snowing hard wet snow, surface thawing
Pumping well to recover frac fluid, recovered no fluid, gas flowing at rate of 392 MCF/D from casing, 140 psi FCP on 22/64" choke.

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 18, 1993 Cold night winter storm warning, snowing hard wet snow, surface thawing
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 400 psi F.L. 6000' no oil or condensate, trace of frac sand. Swabbed and flowed 180 bbl. gassy frac water, 1760 BLWTBR. Well kicked off and flowed gas and frac water 1.5 hrs. up to 400 MCF/D rate at 70 psi FTP on 32/64" choke, final rate of 80 MCF/D on 18/64" choke. Secured well, SION. Daily cost \$3,000 \$170,462

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 18, 1993 Cold night winter storm warning, snowing hard wet snow
T.D. 7380' Waiting on weather to perform fracture treatment

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JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 15, 1993 Cold night, warmer cloudy day w/ melting surface
T.D. 7,610' P.B.T.D. 7,594'
Moved in Western Company, fracture treated well 1,956 bbls. gelled
water w/ X-link polymer carrying 189,000 lb. 20/40 mesh sand in
concentrations up to 6 lb/gal.; maximum treatment pressure 2380 psi,
minimum treatment pressure 770 psi, average 1,700 psi at ave. 50
BPM, ISIP 630 psi, 10 min. SIP 180 psi, 16 min. SIP zero. TIH with
2-3/8" & 2-7/8" tubing to 7000'. 2288 BLWTBR Secured well, SION.
Daily cost \$53,000 \$162,462

January 16, 1993 Cold night, warming day w/ surface melting
T.D. 7,610' P.B.T.D. 7,594' Ran tubing to 7,572', did not tag fill;
set 18 jts.(544.85') 2-3/8" tubing and 229 jts.(6,996.01') 2-7/8"
tubing at 7548', 2-3/8"X2-7/8" X-over at 7,002'. Swabbed frac fluid
9 hours recovered 203 BTF w/ some gas, 2085 BLWTBR; initial F.L. at
5000', final F.L. at 6000', secured well, SION. Daily cost \$2,500
\$164,962

January 17, 1993 Cold night winter storm warning, snowing hard wet
snow, melting surface
T.D. 7,610' P.B.T.D. 7,594' Swabbed gassy frac fluid 8 hr. recovered
145 BTF, 1940 BLWTBR; initial F.L. at 5000' w/ trace of condensate,
final F.L. at 6000', secured well, SION. Daily cost \$2,500
\$167,462

January 18, 1993 Cold night winter storm warning, snowing hard wet
snow
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 150 psi, S.I.C.P. 400 psi F.L.
6000' no oil or condensate \$167,462

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 17, 1993
T.D. 7380' SITP 7:25 AM 300 psi Waiting on weather to perform
fracture treatment

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 13, 1993 Cold night, cool cloudy day w/ snow showers
T.D. 7,327' P.B.T.D. 7280' Well shut in, planning for clean out
of frac sand from open hole. Waiting on weather.

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 13, 1993 Cold night, cool cloudy day w/ snow showers
T.D. 7,406' P.B.T.D. 7,365' Well on pump test, recovered no
fluid, pump not working. Pulled rods and pump; pump sanded up.
Removed well head and attempted to pull tubing, tubing sanded
in 4-1/2" liner. Worked tubing while waiting for a load of
water; unable to move tubing. Hung rods back in well, rigged
down to move to Jicarilla for fracture treatment. Daily cost
\$2,500

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 13, 1993 Cold night, cool cloudy day w/ snow showers
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. Well shut in waiting for
Western to fracture treat well on January 15th.

\$ 106962

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 12, 1993 Cold night, clear cool day
T.D. 7,327 P.B.T.D. 7280' Well shut in, planning for clean out
of frac sand from open hole. Waiting on weather.

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 11, 1993 Cold night winter storm, cold cloudy, snowy
day
Well on pump test, recovered no fluid, pump not working.

January 12, 1993 Cold night, cool clear day
Well on pump test, recovered no fluid, pump not working. Moved
in Drake Rig No.28 to change pump. Continued pumping
over-night. Daily cost \$1,000 277.480

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 11; 1993 Cold night winter storm, cold cloudy, snowy
day
T.D. 7,610' P.B.T.D. 7,594' Completion rig operations shut
down due to winter storm. 12" snow on location. 104,462

January 12, 1993 Cold night, clear cool day
T.D. 7,610' P.B.T.D. 7,594' S.I.T.P. 30 psi, blew down natural
gas pressure, F.L. 6,000', pulled 4 swab runs, recovered 5
barrels load water and spent acid with slight show of clear
condensate. Shut well in. Western moved sand and equipment to
location for fracture procedure but delayed procedure until
Friday, Jan. 15th. Rigged down rig to move to Jicarilla 181-1.
Daily cost \$2,500. 106962

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JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM B.M.
RIO ARriba COUNTY, NEW MEXICO

January 08, 1993 Cold night w/ rain, cool day w/ 6" heavy, wet snow
T.D. 7,610' P.B.T.D. 7,594' TIE with 2-3/8" X 4-1/2" Halliburton PIPP (RTTS) packer to break down perforations. Spotted packer over individual perforations starting at bottom perforation, spotted and broke down each perforation from 7559' to 7391' with 2 bbls. 7-1/2% HCl. Perforations broke down at average of 1200 psi, average ISIP 300 psi. on vacuum in less than 30 sec. Unable to re-set packer over final 3 top perforations. POH with tubing, left 14 jts. 2-3/8" tubing and packer in hole. Fish unscrewed. Secured Well SLOW. Daily cost \$6,500 *#97862*

January 09, 1993 Cold night snow beginning 4AM. cold day w/ snow and sleet showers
I.D. 7,610' P.B.T.D. 7,594' TIE with tubing string to screw into fish, tagged fish at bottom of hole, set weight down on fish to make connection tight, POH with all tubing string and Halliburton packer, TIE with re-dressed Halliburton PIPP packer to finish perforation break down. Secured Well SLOW. Daily cost \$2500 *#99,862*

January 10, 1993 Cold cloudy night, winter storm moved in at noon, heavy wet snow
T.D. 7,610' P.B.T.D. 7,594' FIEH with Halliburton PIPP packer, set packer, had to retrieve fluid control valve with sand line, tested tubing to 4000 psi, OK, broke down perforations from 7351' to 7361' with 2% KCl water, spotted 10 bbls. 7-1/2% HCl, pumped acid into perforation at 7351' at 2 BPM at 2650 psi. Reset packer at 7340, pulled standing valve with sand line, swabbed 60 bbls. load water and spent acid water, swabbed dry with no indication of oil or gas. Secured Well SLOW. Daily cost \$4,500 *#104,462*

January 11, 1993 Cold night winter storm

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JICARILLA 2A-1
NE/4 SE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

JANUARY 07, 1993 Cold night, heavy, wet snow w/ 6" accumulation,
cool day
T.D. 7,327 P.B.T.D. 7280' SITP 1150 psi. Well shut in, planning
for clean out of frac sand from open hole with coiled tubing when Road
Closures Allow. \$195,213

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

JANUARY 07, 1993 Cold night heavy, wet snow w/ 6" accumulation,
Cool day w/ 1" rain
T.D. 7,406' P.B.T.D. 7365' Moved Drake WS Rig 28 to Jicarilla
28B-1. Moved in American 320 Pump Unit w/ 100" stroke. Installed
Sampson post, walking beam and Ajax gas engine. Changed stroke
to 70". Daily cost \$ 3,000 \$275,480

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

JANUARY 07, 1993 Cold night heavy, wet snow w/ 6" accumulation,
Cool day w/ 1" rain
T.D. 7,610' P.B.T.D. 7,594' Well on vacuum. Moved in, rigged up
Drake Well Service Rig 28, NU BOPs, TON with tubing. Secured
well SLOW. Daily cost \$3,300. Plan to BREAKDOWN PERG w/ACID on 1/8/92.
\$90,860

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JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 04, 1993 Cold night, cold day
T.D. 7,327 P.B.T.D. 7280' SITP 1050 psi. (25.5
hrs) \$ 195,212

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 04, 1993 Cold night, cold day
T.D. 7,406' P.B.T.D. 7365' SITP 220 psi
equalized with casing. Blew tubing down. F.L.
5000' swabbed and flowed well 6.5 hrs.,
recovered 106 BLTF including 14 bbl. light,
green oil. Secured well. SION. Daily cost \$2800
\$ 258,780

JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 03, 1993 Cold night, cloudy, snowing
cool day
T.D. 7,610' P.B.T.D. 7,594' Well on vacuum, no
pressure. \$ 87,562

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

January 03, 1993 Cold night snowing, cool
cloudy day
T.D. 7,380' SITP 248 psi

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JICARILLA 288-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 16, 1992 Cold night snowing, cold day with 4" snow
T.D. 7,610' P.B.T.D. 7,594' (WL) Well secured, moved rig to Jicarilla
2A-1. Daily cost \$1,500 ~~\$54,930~~ 87,562

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 16, 1992 Cold snowy night, cold day with 4" snow
T.D. 7,406' Rig shut down with tubing in derrick, well secured, moved
in 6-400 bbl. tanks, filled with water, moved in and filled Western
frac sand master, started heating water in tanks for fracture
treatment Dec. 17th. Daily cost \$10,000 \$149,930

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 16, 1992 Cold snowy night, cold day with 4" snow
T.D. 7,327' S.I.T.P. 7280' P.B.T.D. Moved in Drake Well Service Rig 24
Bled 44 psi gas pressure from casing. Removed well head, installed
BOPs, picked up 15 jts 2-7/8" tubing, tagged fill in 4-1/4" open hole
at 7280'. TOH with 2-7/8" tubing, secured well, SION. Set 6-400 bbl.
tanks, filled with water, set and loaded Western frac sand master,
preparing for fracture treatment Dec. 17th. Daily cost \$10,000

\$90,762

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JICARILLA 268-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 15, 1992 Cold night snowing, cold day with 2" snow
T.D. 7,610' P.B.T.D. 7,594' (WL)
Perforated 4-1/2" liner with 26 - 0.37" select fire hollow carrier jet
gun: 7559', 57', 55', 23', 21', 10', 08', 05', 03', 7445.5', 43', 37',
35', 24', 21', 11', 09', 7397', 95', 93', 91', 81', 59', 57', 55' &
51' (7351'-7559' OA). TIH with tubing, removed BOPs, installed well
head. Secured well, rigged down rig, prepared to move to Jicarilla
2A-1, SIGN. Daily cost \$5,300

Comp cum: 80,762

JICARILLA 191-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 15, 1992 Cold snowy night, cold day with 2" snow
T.D. 7,406' Rig shut down with tubing in derrick waiting on weather to
move in fracture treatment equipment.

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 13, 1992 Cold snowy night, cold day with 2" snow
T.D. 7,327' S.I.T.P. 44 psi Waiting on fracture treatment.

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JICARILLA 29B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 14, 1992 Very cold night 13 degrees below zero, cold day with 3" snow

T.D. 7,610' P.B.T.D. 7,594' (WL) Circulated hole with 2% KCl water, pulled out of hole with 3-3/4" bit. Rigged up Halliburton Logging Service, ran Dual spaced neutron log from 7590' to 6980', 6300' to 5680' and 4100' to 3100', ran Acoustic CBL-VDL 7583' to 7000' with no pressure, 7583' to 7000' with 1500 psi pressure, log shows good bond from 7583' to 7180', 7180' to 6900' to check cement bonding at shoe of 7-5/8" casing, 6300' to 5700' showing good cement bond and 4100' to 3100' showing good to fair cement bond. Tested casing, liner and liner top to 3000 psi, OK. Secured well, SIDN. Daily cost \$5,850

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 14, 1992 Very cold clear night 13 degrees below zero, cold day with 3" snow

T.D. 7,406' Rig shut down with tubing in derrick waiting on weather to move in fracture treatment equipment.

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 14, 1992 Very cold night 13 degrees below zero
T.D. 7,327' S.I.T.P. 44 psi Waiting on fracture treatment.

JICARILLA 24N-1
SE/4 SW/4 SEC 24 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 14, 1992 Very cold night 13 degrees below zero
T.D. 7380' SITP 10:00 AM 186 psi Waiting on fracture treatment

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JICARILLA 28B-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 11, 1992 Clear very cold night, cool clear day with surface thawing

T.D. 7,610' Moved in Drake Rig 24, rigged up, set and rigged up pump and pit. Filled pit with water. SION. Daily cost \$1,300

\$ 72,262

December 12, 1992 Cold cloudy night, cold cloudy day with light snow
T.D. 7,610' P.B.T.D. 7,286' (tbg measurement) Drilled 10' of cement off top of 4-1/2" liner at 7040' (tbg. measurement) with 6-1/4" bit, changed bit size to 3-3/4" and drilled out cement to 7286' in 4-1/2" liner. Circ. hole clean, shut in over weekend. Daily cost \$3,200

\$ 75,462

December 13, 1992 Cold snowy night, cool cloudy day with snow showers
T.D. 7,610' P.B.T.D. 7,286' Shut in for Sunday

December 14, 1992 Very cold clear night 19 degrees below zero

JICARILLA 18I-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 11, 1992 Clear very cold night, cool clear day with surface thawing

T.D. 7,406' S.I.T.P. 700 psi F.L. below 6480'. Rigged up Halliburton, fluid end of pump frozen and damaged, used centrifugal to pump 3 barrels water, dropped standing valve, filled tubing with 2% KCl water, dropped regulator valve and waited for Halliburton to repair the acid pump. Started acid breakdown of individual perforations at noon. Broke down all 25 perforations, found 5 perforations in Gallup "A" interval too tight to take frac treatment. Set PIPP (RTTS) at 7080', pulled regulator valve and seat valve and swabbed well down to X-over at 6490'. Recovered load water, spent acid and 5% foamy oil. Secured well, SION Daily cost \$2,500

December 12, 1992 Cold cloudy night, cold cloudy day with light snow
T.D. 7,406' S.I.T.P. 200 psi F.L. 4,100'. Rm well down, swabbed well from X-over at 6480'; recovered load water, spent acid, gas and 5-7% foamy light gravity green oil. Released packer and swabbed well to remove fluid from hole to 6000'. Pulled packer out of hole, secured well, shut in until foamed gelled water frac procedure planned to be pumped by Western Company on December 15th. Daily cost \$2,500

December 13, 1992 Cold snowy night, cool cloudy day with snow showers

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 11, 1992 Clear very cold night, clear cool day with surface thawing

T.D. 7,327' Moved rig and equipment to Jicarilla 28B-1 Daily cost \$800

TOTAL P.01

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JICARILLA 288-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 8, 1992
T.D. 7,610' Waiting on completion unit
C. Cum. \$ 70,962

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 8, 1992 Cold night, warming cloudy day (winter storm warning issued)
T.D. 7,406' Finished laying down string of fishing tubing, picked up HOWCO split RTTS (PPI) on 20 joints 2-3/8" O.D. N-80 SRT EUE tubing, X-over and 2-7/8" O.D. N-80 SRT EUE tubing. TIH and sting into top of liner. Secured well, SION. Daily cost \$2,500

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 8, 1992 Cold night, warming cloudy day
T.D. 6,900' Picked up 6-1/4" Hughes bit, 10 3-3/4" drill collars and 2-7/8" O.D. 6.5# K-55 SRT EUE R-2 new tubing. TIH to 3,500'. Tested casing to 3000 psi for 30 minutes. Blow water from casing with air at 3,500' and at P.B.T.D. Secured well, SION. Daily cost \$4,200

December 9, 1992 Cold cloudy night with winter storm warning

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JICARILLA 288-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 7, 1992
T.O. 7,610' Waiting on completion unit

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 7, 1992 Cold night (15 degrees below zero), clear warming day
T.O. 7,406' P.B.T.D. (csg) 7,396' (cat) 7,317' Rigged up Halliburton
Logging Services, ran GR-Neutron-Acoustic CBL-Collar correlation log
from 7309' to 6742'. Good cement bonding between 4-1/2" liner and open
hole. sufficient bonding between 4-1/2" liner and 7" casing to be
effective seal. Found 4-1/2" liner top at 6878' wire line measurement;
shoe of 4-1/2" liner calculated at 7397' (9' above original setting
depth). Perforated 4-1/2" liner in Gallup "A", "B" & "C" sands and
selected fractures with 25- 0.37" select Fire holes 7104'-7309' at
following depths: 7104', 07', 18', 21', 32', 36', 39', 41', 47', 55',
64', 73', 75', 77', 80', 89', 91', 92', 9246', 50', 83', 85', 87',
7302'. 09'. Secured well, SION. Unloaded new string of 2-7/8" O.D. 6.5"
N-80 EUE SRT tubing to replace corkscrewed string. Daily cost \$23,200

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 7, 1992 Cold night (15 degrees below zero), clear warming day
T.O. 6900' P.B.T.D. 6895' (driller), 6840' (WL) Rigged up Mountain Air
air compressors, booster and mist pump. Rigged up Drake unit, set in
all equipment with rig, installed BOPs and blowie line. POH with
2-7/8" tubing. Rigged up Halliburton Logging Service, ran G.R.
Acoustic CBL, collar correlation log 6840'-6310', 5858'-5332',
3616'-2992'. Cement bonding excellent at bottom of 7" casing, fair to
good but acceptable across Mesa Verde formation and fair across
Pictured Cliffs formation. Secured well, SION at 10:30PM. Daily cost
\$7300.

December 8, 1992 Cold night with winter storm warning, cloudy AM

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JICARILLA 228-1
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 5, 1992 Winter storm, cold night snowing, cold day with 6-8" snow

T.D. 7,610' Ran 6-3/4" bit, bit sub and tubing in hole. Removed BOPs, installed well head, secured well. Rig down Drake Well Service Rig 24 and moved to Jicarilla 2A-1. Moved Mountain Air package. Daily cost \$4,700
CC 70,962

December 6, 1992 Cold night with light snow
T.D. 7,610' WOC

JICARILLA 181-1
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 5, 1992 Winter storm, cold night snowing, cold day with 6-8" snow

T.D. 7,406' Fishing. TIM with 2-7/8" 6.5#/ft. N-80 8RT EUE tubing fishing string with Bowen overshot, bumper jars, hydraulic jars, 10 3-1/2" drill collars and accelerator jars. Latched onto fish, pulled 10M # overweight of string and pulled Baker setting tool out of liner top. POH, layed down fish, fishing tools and drill collars. Secured well, SIDN. Daily cost \$7,000

December 6, 1992 Cold night with light snow
T.D. 7,406' Shut down for Sunday

JICARILLA 2A-1
NE/4 NE/4 SEC 2 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO

December 5, 1992 Winter storm, cold night snowing, cold day with 6-8" snow

T.D. 6,900' Moved in Drake Well Service Completion Rig No. 24; Cardwell 300,000# drawworks, derrick and V12 engine, triplex pump, pit with shaker, BOPs and closing unit, catwalk and pipe racks, blowie line with mud "T" and generator house for complete lighted rig and yard. Rig on location at 6:30 PM. Moved in Mountain Air with 3 air compressors (1.3 MMSCF/D), 1 booster (Max. 2000 psi), mist pump trailer, supplies house, fuel tank and personnel trailer. Daily cost \$3,200

December 6, 1992 Cold night with light snow
T.D. 6,900' Shut down for Sunday

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JICARILLA 288-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 4, 1992 Cold night with snow, cold day with 4-6" snow (winter storm warning)

T.D. 7,610' Picked up 4-1/2" liner, ran in hole with Applied Technologies Inc. 7-5/8" X 4-1/2" pack-off liner hanger. Circulated hole with air last 5 joints to bottom. Set liner at 7610' with top of seal bore section of liner hanger in 7-5/8" casing at 7051'. Rigged up HWC0, cemented liner with 100 ex. 50/50 Poz "B", 2% gel, 0.4% CFR-3. 0.4% Halad 344. Plug down at 2:25PM. Set liner packoff, pulled out of liner, filled casing-tubing annulus with water, reversed out 15 bbl. good cement slurry. Pulled liner setting tool and layed down; Secured well, SIGN. Daily cost \$7,750 CC 66,262

~~December 5~~, 1992 Cold night with light snow (winter storm warning)

EnRe CORPORATION / AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 181-1
2170' F3L, 415' FEL
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 4, 1992 Cold night with snow, cold day with 4-6" snow (winter storm warning)

T.D. 7,406' Finished laying down 36 joints cork-screwed 2-7/8" tubing. TIH with 2-7/8" 6.5#/ft. N-80 8RT EUE tubing fishing string with concave mill skirted with lip guide. Dressed off 2' of top of 2-7/8" tubing fish. POH with mill. Secured well, SIGN. Daily cost \$6,500

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4940 BROADWAY
SAN ANTONIO, TEXAS 78209
phone 512-826-0691

DAILY COMPLETION REPORTS

JICARILLA 28B-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 3, 1992 Cold night, cool cloudy day with slight surface thawing

T.D. 7,610' Ran 4-1/2" liner in hole with 7-3/8" X 4-1/2" pack-off liner hanger. Tagged 12' fill. Circulated hole with air and foam; pack-off rubber on liner hanger expanded and stopped circulation. Pulled liner out of hole and layed down. Took liner hanger to shop in Farmington to redress. Secured well, SIGN. Daily cost \$4,000 \$58,512

EnRe CORPORATION
AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 18I-1
2170' FSL, 415' FEL
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 3, 1992 Cold night cool cloudy day with slight surface thawing

T.D. 7,406' Picked up fishing string of 2-7/8" 6.5#/ft. N-80 BRT EUE tubing with Bowen overshot. TIH and latched top of fish at 6,084'. Attempted to run free point indicator, would not go into fish. Ran jet cutter to top of Baker Oil Tool liner setting tool at 6890'. Cut tubing at 6875' with jet cutter. TOH with fishing string to top of fish, layed down overshot and top joint of fish. Secured well, SIGN. Ginned cork-screwed tubing off pipe racks. Daily cost \$6,500

December 4, 1992 Cold night with snow (winter storm warning)

EnRe CORPORATION
4940 BROADWAY
SAN ANTONIO, TEXAS 78209
phone 512-826-0681

DAILY COMPLETION REPORTS

JICARILLA 298-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 2, 1992 Cold night, cool clear to cloudy day slight surface thaw
T.D. 7,610' SICP 12 psi. Blew well down, ran 9 stds tubing to bottom.
Levi Vigil's leg was broken while making up last joint on power swivel; applied first aid techniques; called Dulce Police and EMS and Cuba EMS. Drake well service called Farmington medivac helicopter. Jicarilla EMS arrived and took charge of medical care. Helicopter then moved Levi to Farmington Hospital. Tagged 8' fill; blew well bore with air to clean up. Tripped out of hole, layed down drill collars, picked up 4-1/2" O.D. 11.6#/ft. N-80 8 RT LT&C R-3 casing liner, picked up and installed liner hanger with pack off and started in hole. Secured well SION. Daily well cost \$4000
CC. \$54.52

EnRe CORPORATION
AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 181-1
2170' FSL, 415' FEL
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 2, 1992 Cold night, cool clear to cloudy day with slight surface thawing
T.D. 7,406' Pulled and layed down 181 jts. cork-screwed 2-7/8" OD 6.5# K-55 EUE 8 RT tubing. Broke down fishing tools; secured well SION. Fishing tool string ordered for AM. Daily drilling cost \$3400.

4940 BROADWAY
SAN ANTONIO, TEXAS 78209
phone 512-826-0681

DAILY COMPLETION REPORTS

JICARILLA 28B-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

November 30, 1992 Very cold night below zero, cold day
** DAILY REPORT CORRECTED TO SHOW FRACTURED ZONES OBSERVED **
T.D. 7,610' 7AM SICP 10 psi, blew well down with 20 MCF/D rich natural gas flow at end of blow down. Drilled 222' of 4-3/4" open hole through Gallup C sands using air and foam. Blew hole clear with air, pulled 9 stds tubing, secured well, SIGN. Observed fractures while drilling: 7360'-65', 7520', 7530' & 7550'. Very small influx of oil and gas during the drilling procedure evidenced by need to use oil foamer to maintain adequate lifting. Daily cost \$5,000.

December 1, 1992 Very cold night below zero, clear cold day
T.D. 7,610' SICP 12psi. Completion operation suspended for the day, no rig crew on location, waiting on 7-5/8"X4-1/2" liner hanger. Well secured. Daily cost \$800

CC# 50,512

EnRe CORPORATION
AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 181-1
2170' FSL, 415' FEL
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
Gr. El. 7103', K.B. El.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

December 1, 1992 Very cold night below zero, clear cold day
T.D. 7,604' Pulled 3 stands tubing with 4' stub of tubing. Tubing body had necked down and pulled apart; no visible defect in tubing body. Waited 6 hours for Drake Well Service to bring new drill line to location and replace on unit. At 4PM made up Bowen overshot with 2-7/8" basket grapple, mill guide and lipped skirt. Ran in hole to top of fish at 215'; latch fish and worked pipe from 40M to 65MH; no movement. Torqued up tubing several times and made manual back off. Apparent recovery 38MH weight. Pulled tubing out of hole to top of fish, layed down overshot and top joint of fish. Secured well, SIGN. Daily cost \$3,900.

COMPLETION REPORT

JICARILLA 288-1
455' FNL. 1510' FEL
NW/4 NE/4 SEC 26 T27N R2W PM N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

November 30, 1992 Very cold night below zero, cold day
T.D. 7,610' 7AM SICP 10 psi, blew well down with 20 MCF/D rich natural
gas flow at end of blow down. Drilled 222' of 4-3/4" open hole through
Gallup C sands using air and foam. Blew hole clear with air, pulled 9
stds tubing, secured well, SIGN. Very small influx of oil and gas
during the drilling procedure evidenced by need to use oil foamer to
maintain adequate lifting. Daily cost \$5,000. CC: 49,712

EnRe CORPORATION
AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 181-1
2170' FSL. 415' FEL
NE/4 SE/4 SEC 18 T27N R2W PM N.M.
Gr. El. 7103', K.B. El.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

November 30, 1992 Very cold night below zero, cold day
T.D. 7,406' Flowed well overnight, initial flow rate 250MCF/D (pitot
tube), rate gradually dropping through night to 7AM flow rate
125MCF/D; no liquid recovery to surface, some condensation of natural
gas liquids in cold surface lines. Ran bit to 7400' to check fill, no
fill; did not blow well. Pulled tubing, layed down drill collars;
recovered 100' of green, very light gravity oil containing some foamer
and light yellow paraffin. Oil leaked into drill collars through a
float in the bit sub that would allow any significant amount of liquid
in the drill collars to drop out while coming out of hole. (Picked up
Baker float shoe, latch down collar, 13 joints 4-1/2" O.D. 11.6#/ft.
N-80 BRT LT&C casing (504.35') with Baker (Brown) packoff liner hanger
(O.A. 518.97') and liner setting tool. Ran liner to 7406', set liner,
pulled off of liner top, set back down, rigged up Halliburton and
cemented liner with 40 bbls. light gel water, 100 sz. 50/50 Pox,
2Xgel, 0.4% DFR-3, 0.4% Halad 344. Plug down 6:20PM. Baker pulled up,
set weight back down to set packoff and top slips, pulled up to pull
out of liner top; would not release. Started pulling out of hole
dragging up to 90,000#; attempted to work liner back down several
times each joint but would not go down. Pulled 4 joints in an attempt
to pull liner out of cement. Tubing parted high, pulled one additional
joint; secured well, SIGN. Daily cost \$13,300

November 28, 1992 Very cold night below zero, cold mostly clear day
T.O. 7,159' Moved in, rigged up Mountain Air with 3 air compressors
(1.5 MMSCFPD), 1 booster (Max. 2000 psi), mist pump trailer, supplies
house, fuel tank and personnel trailer. Pulled tubing out of hole,
picked up 6-3/4" Hughes bit, 10 3-3/4" drill collars and 2-7/8" O.D.
6.5# K-55 SRT EUE R-2 new tubing. TIH to 2,500' to blow casing with
air, again at 5,000' and at 7,100'. Drilled 5' of cement. Secured
well, SION. Daily cost \$5,800
Comp. Cum 39,912

November 29, 1992 Very cold night with light snow, cold day
T.O. 7,388' Drilled 231' of 6-3/4" open hole through Gallup A and B
sands using air and foam. Blew hole clear with air, pulled 5 stds
tubing, secured well, SION. No influx of oil or gas during or after
drilling section. Daily cost \$4,600.
\$44,712

EnRe CORPORATION
4940 BROADWAY
SAN ANTONIO, TEXAS 78207
phone 512-826-0661

COMPLETION REPORT

JICARILLA 28B-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PM N.M.
RIO ARRIBA COUNTY, NEW MEXICO
CONTRACT 701-90-0001

November 12, 1992 Thawing snow, very muddy, hard freeze overnight
T.D. 7,157' Moved in Drake Well Service Completion Rig No. 28;
Cardwell 300,000# drawworks, derrick and V12 engine, triplex pump,
pit, BOPs and closing unit. Rig on location at 8:45AM. Rigged up rig,
picked up 8-3/4" Hughes bit, 10 3-3/4" drill collars and 2-7/8" O.D.
6.5# K-55 SRT EUE R-2 new tubing. Tagged cement 3,965', drilled cement
and on stage collar at 4,001', circ. clean SIDN. Daily cost \$24,240

November 13, 1992 Mild day, cold night
T.D. 7,157' Drilled through cement stage collar at 4,001', picked up
tubing, tagged cement at 7,100', drilled cement, float collar at 7,123
and cement to 7,148'. Circ. clean SIDN Daily cost \$1,800 C.C. \$26,040

November 14, 1992 Cool day, cold night
Dry watch rig, waiting on air package to drill Gallup sands. Daily
cost \$518 C.C. \$26,558

November 15, 1992 Cool day, cold night
Dry watch rig, waiting on air package to complete well. Daily cost
\$518 \$27,076

November 16, 1992 Mild clear day, cold night
Dry watch rig, waiting on air package to complete well. Daily cost
\$518 \$27,594

November 17, 1992 Mild clear day, cold night
Dry watch rig, waiting on air package to complete well. Daily cost
\$518 \$28,112

November 18, 1992 Mild clear day, cold night
Pulled tubing, layed down drill collars, rigged down rig to move to
Jicarilla 18I 1. Daily cost \$2000 \$30,112

November 27, 1992 Very cold night below zero, cold clear day
T.D. 7,157' Moved in Drake Well Service Completion Rig No. 24;
Cardwell 300,000# drawworks, derrick and V12 engine, triplex pump, pit
with shaker, BOPs and closing unit, catwalk and pipe racks, blowie
line with mud "I" and generator house for complete lighted rig and
yard. Rig on location at 1:30 PM (DOT shut rig down on highway out for
a complete inspection). Rigged up rig, BOPs and blowie line. Secured
well, SIDN. Daily cost \$4,000 \$34,112

CASING SETTING/CEMENT REPORT

ENRE CORPORATION / AMERICAN HUNTER EXPLORATION LTD.
JICARILLA 288-1
455' FNL, 1510' FEL
NW/4 NE/4 SEC 28 T27N R2W PH N.M.
RIO ARriba COUNTY, NEW MEXICO
CONTRACT 701-90-0001

DEPTH/ LENGTH	
7,157.00'	TOTAL DEPTH (DRILLED AFTER OPEN HOLE ELECTRIC LOGS)
1.30'	HALLIBURTON FLOAT SHOE

7,155.70'	TOP FLOAT SHOE
30.79'	1 JT. 7-5/8"O.D. 26.4# N-80 8RT LT&C R-3 CASING* INTERMEDIATE

7,124.91'	TOP SHOE JOINT
1.20'	HALLIBURTON FLOAT COLLAR

7,123.71'	TOP FLOAT COLLAR
1,522.70'	44 JTS. 7-5/8"O.D. 26.4# N-80 8RT LT&C R-3 CASING*

5,601.01'	TOP N-80 CASING
1,600.42'	37 JTS. 7-5/8"O.D. 26.4# K-55 8RT LT&C R-3 NEW CASING*

4,000.59'	
3.70'	HALLIBURTON MULTISTAGE CEMENTER (DV TOOL)

3,996.89'	TOP 2ND STAGE DV TOOL
4,011.38'	91 JTS. 7-5/8"O.D. 26.4# K-55 8RT LT&C R-3 NEW CASING*

14.69'	ABOVE ROTARY TABLE
31.69'	CUT OFF

- 17.00'	
17.00'	K.B. CORRECTION

-0-	* DRIFTED ON LOCATION 6.8440"

RAN 173 JOINTS 7-5/8"O.D. 26.4# J&N GRADE 8RT LT&C CASING SET AT 7,157';
CEMENTED WITH: 1ST STAGE. 335' SX. 50/50 POZ"B", 2% GEL, 6#/SX. SALT,
6#/SX. GILSONITE PLUS 50' SX. CLASS "G", 0.75% HALAD 322, P.D. 3:30AM
11/03/92, PRECEDED BY 20 BBL. MUD FLUSH, DISPLACED WITH FRESH WATER; 2ND
STAGE (MULTISTAGE CEMENTER AT 3,997'), 375 SX. 65/35 POZ"B", 12% GEL,
4#/SX. GILSONITE PLUS 110 SX. 50/50 POZ. 2% GEL, 6#/SX. SALT, 6#/SX.
GILSONITE PLUS 25 SX. CLASS "B", 0.75% HALAD 322, P.D. 9:00AM 11/03/92,
DISPLACED WITH FRESH WATER. GOOD CIRCULATION THROUGHOUT JOB.

J. H. Ashford, Jr., P.E.
November 3, 1992