Case No
3676

Large Exhibits

U.S.N.C.F. MICROGRAPHICS
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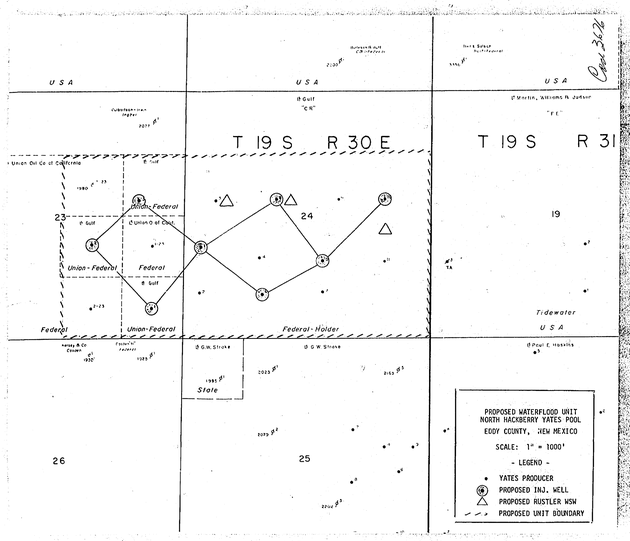


Case 3676

GULF OIL CORPORATION
FEDERAL-HOLDER "CR" WELL NO. 5
LOCATED 1650' FSL, 2310' FEL
SEC. 24-19S-30E

8-5/8" OD, 24# / Ft. Casing set @ 594', cemented with 345 sacks, circulated to surface.

Packer to be set @ approx. 1,850'

Yates formation selectively perforated from 1,858' to 1,927'

4-1/2" OD,9.5#/Ft.J-55 Casing set @ 2075',cemented with 475 sacks. Top cement @ 580' from Temperature survey

P.B. 2,055'

T.D. 2,097'

GULF OIL CORPORATION
FEDERAL-HOLDER "CR" WELL NO. 6
LOCATED 940' FSL, 1725' FWL
SEC. 24-19S-30E

8-5/8" OD, 32#/Ft.H-40 Casing set @ 595', cemented with 250 sacks, circulated to surface.

Packer to be set @ Approx. 1,740'

Yates formation selectively perforated from 1,789' to 1,903'

4-1/2" OD,9.5#/Ft.J-55 Casing set @ 1993',cemented with 480 sacks. Top cement @ 350' from Temperature survey

P.B. 1,956'

T.D. 2,000'

GULF OIL CORPORATION
FEDERAL-HOLDER "CR" WELL NO. 8
LOCATED 2310' FNL, 1980' FWL
SEC. 24-19S-30E

8-5/8" OD, 24#/Ft.J-55 Casing set @ 650', cemented with 285 sacks, circulated to surface.

Packer to be set @ approx. 1,850'

Yates formation selectively perforated from 1,901' to 1,941'

4-1/2" OD,9.5#/Ft.J-55 Casing set @ 2028', cemented with 600 sacks. Top cement @ 525' from Temperature survey

P.B. 1,992'

T.D. 2,064'

GULF OIL CORPORATION
FEDERAL-HOLDER "CR" WELL NO. 10
LOCATED 2310' FNL, 990' FEL
SEC. 24-19S-30E

8-5/8" OD, 24#/Ft.J-55 Casing set @ 743', cemented with 410 sacks, circulated to surface.

Packer to be set @ approx. 1,970'

Yates formation selectively perforated from 2,022' to 2,050'

4-1/2" OD,9.5#/Ft.J-55 Casing set @ 2125',cemented with 600 sacks, circulated to surface.

P.B. 2,072'

T.D. 2,125'

NOTE: 2-3/8" OD 4.70# EUE 8 RT J-55 Tubing Plastic-Coated Internally, Baker Model "A" Tension Type Retrievable HW Injection Packer (or equivalent), Casing-Tubing Annulus to be filled with Inhibited Water.

CASE NO. 3676
EXHIBIT 5-G (Cont)
SCHEMATIC DIAGRAM
PROPOSED WATER INJECTION WELLS
NORTH HACKBERRY YATES UNIT
EDDY COUNTY, NEW MEXICO

GULF OIL CORPORATION
UNION-FEDERAL WELL NO. 1
LOCATED 660' FSL, 660' FEL
SEC. 23-19S-30E

8-5/8" OD, 24#/Ft. Casing set @ 485', cemented with 340 sacks, circulated to the surface

Packer to be set @ approx. 1,700'

4-1/2" OD, 9.5#/Ft. J-55 Casing set @ 2209', cemented with 250 sacks. Top of cement @ (4355) from Bond log, cement Circulated to surface from 1400'

Yates formation selectively perforated from 1,742' to 1,808'

P.B. 2,220'

T.D. 3,706'

GULF OIL CORPORATION
UNION-FEDERAL WELL NO. 2
LOCATED 1980' FSL, 1980' FEL
SEC7 23-19S-30E

8-5/8" OD, 24#/Ft. Casing set @ 532', cemented with 400 sacks, circulated to the surface

Packer to be set @ approx. 1,720'

5-1/2" OD, 15.5#/Ft. J-55 Casing set @ 1968', cemented with 590 sacks. Top cement @ 29' from Temperature survey.

Yates formation selectively perforated from 1,776' to 1,798'

P.B. 1,936'

T.D. 1,968'

GULF OIL CORPORATION
UNION-FEDERAL WELL NO. 3
LOCATED 2310' FNL, 990' FEL
SEC. 23-19S-30E

8-5/8" OD, 24#/Ft. Casing set @ 498', cemented with 330 sacks, circulated to the surface

Packer to be set @ approx. 1,730'

5-1/2" OD, 15.5#/Ft. J-55 Casing set @ 1992', cemented with 550 sacks,circulated to the surface

Yates formation selectively perforated from 1,782' to 1,820'

P.B. 1957'

T.D. 1993'

GULF OIL CORPORATION
FEDERAL-HOLDER "CR" WELL NO. 1
LOCATED 1980' FNL, 330' FWL
SEC. 24-19S-30E

8-5/8" OD, 24#/Ft. Casing set @ 540', cemented with 300 sacks. circulated to the surface

Packer to be set @ approx. 1,700'

4-1/2" OD, 9.5#/Ft. J-55 Casing set @ 2000', cemented with 390 sacks. Top cement @ 1165' from Temperature survey.

Yates formation selectively perforated from 1,749' to 1,851'

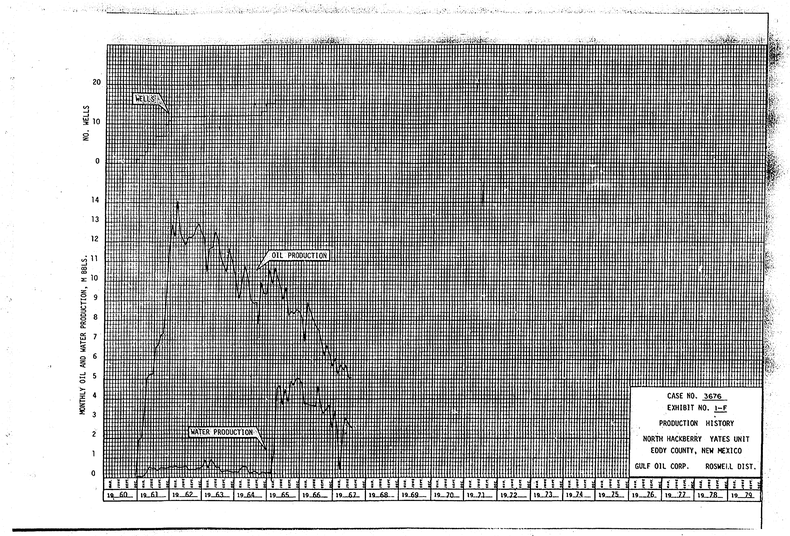
P.B. 1957'

T.D. 2000'

NOTE: 2-3/8" OD 4.70# EUE 8 RT J-55 Tubing Plastic-Coated Internally, Baker Model "A" Tension Type Retrievable HW Injection Packer (or equivalent), Casing-Tubing Annulus to be filled with Inhibited Water.

CASE NO. 3676
EXHIBIT 5-G
SCHEMATIC DIAGRAM
PROPOSED WATER INJECTION WELLS
NORTH HACKBERRY YATES UNIT
EDDY COUNTY, NEW MEXICO

N.M.O.C.C. MICROGRAPHICS



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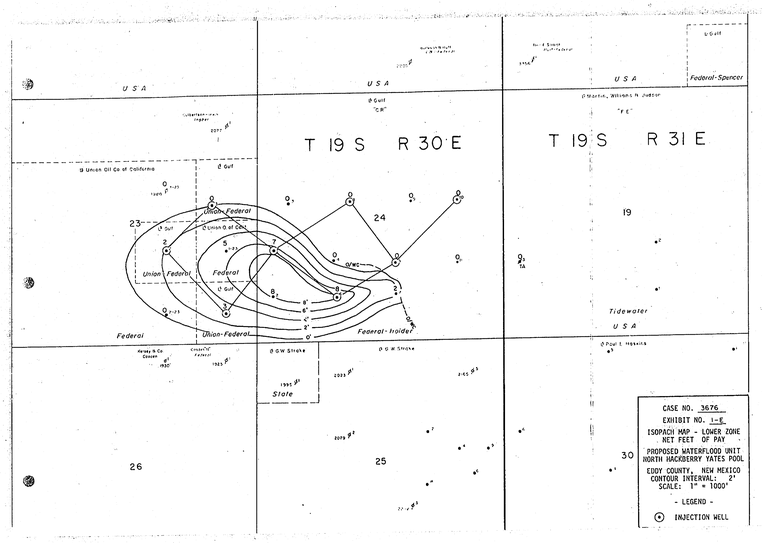

A.R.M.C.F. MICROGRAPHICS
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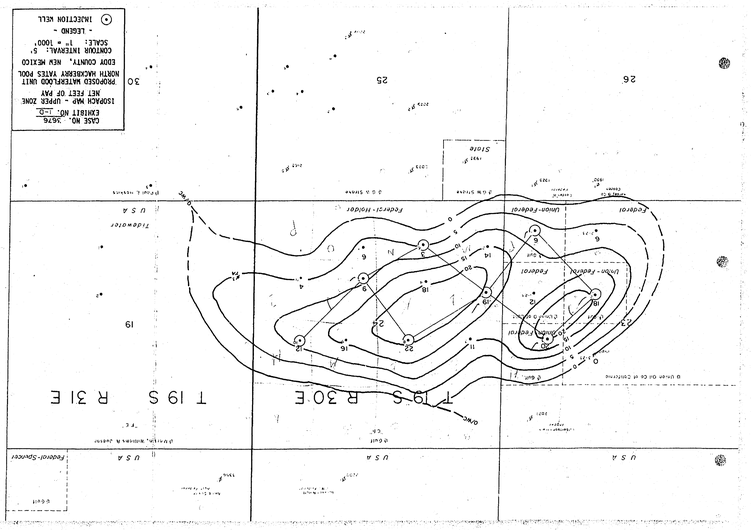
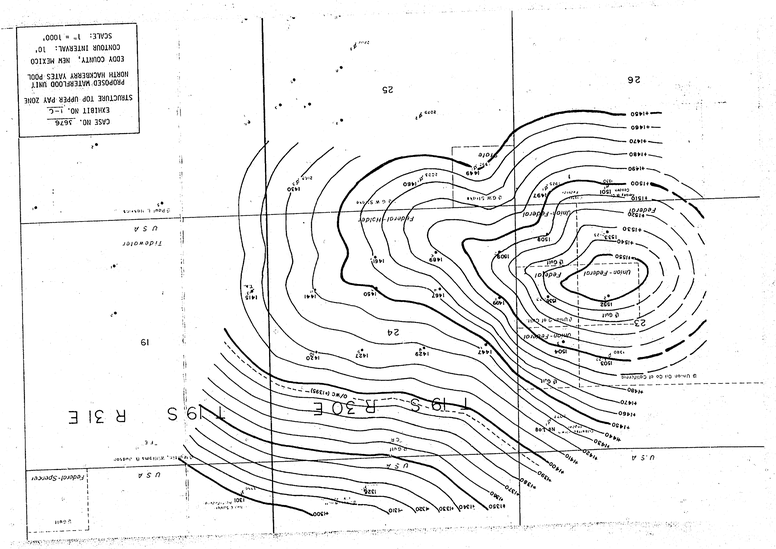

CASE NO. 3676
EXHIBIT NO. 15
ISOPACH MAP - UPPER ZONE
NET FEET OF PAY
PROPOSED WATERFLOOD UNIT
NORTH MADDERSEY YATES POOL
EDDY COUNTY, NEW MEXICO
CONTOUR INTERVAL: 5'
SCALE: 1" = 1000'
- LEGEND -
INJECTION WELL
T 19 S R 30 E
T 19 S R 31 E
25
26
30
19
U S A
Texaco
Amoco
Union - Federal
Federal
Federal-Shell
Federal-Sinclair
Federal-Skelly
Federal-Sunray
Tidewater
Phillips
State
Stone
Gulf
Humble
Pan American
Sinclair
Skelly
Shell
Sunray
Union
Continental
Cities Service
Mobil
Atlantic Richfield
Hondo
Kerr-McGee
Yates
Hanson
Penroc
Pennzoil
Mesa
Petroleum
Corporation
Company
Oil
Gas
Drilling
Producing
Exploration
Development
Operating
Production
Service
Refining
Chemical
Natural
Resources
Energy
Industries
Enterprises
Associates
Partners
Partnership
Limited
Incorporated
Trust
Estate
Heirs
Trustees
Executors
Administrators
Guardians
Conservators
Receivers
Liquidators
Dissolved
Merged
Acquired
Sold
Transferred
Assigned
Leased
Subleased
Farmed
Out
Farmed
In
Unitized
Pooled
Communitized
Abandoned
Plugged
Shut
In
Temporarily
Permanently
Suspended
Operations
Ceased
Terminated
Expired
Forfeited
Cancelled
Revoked
Reinstated
Modified
Amended
Supplemented
Corrected
Clarified
Interpreted
Applied
Denied
Granted
Approved
Disapproved
Rejected
Withdrawn
Dismissed
Continued
Deferred
Tabled
Postponed
Advanced
Set
Hearing
Docket
Notice
Publication
Affidavit
Testimony
Witness
Exhibit
Evidence
Argument
Motion
Objection
Ruling
Order
Recommendation
Decision
Finding
Conclusion
Judgment
Appeal
Rehearing
Reconsideration
Stay
Injunction
Mandamus
Prohibition
Quo Warranto
Certiorari
Habeas Corpus
Ejectment
Quiet Title
Boundary
Dispute
Trespass
Damages
Accounting
Lien
Foreclosure
Redemption
Partition
Condemnation
Eminent Domain
Right of Way
Easement
Servitude
Encroachment
Adverse Possession
Prescription
Abandonment
Waiver
Estoppel
Laches
Statute of Limitations
Res Judicata
Collateral Estoppel
Double Jeopardy
Ex Post Facto
Due Process
Equal Protection
Commerce Clause
Supremacy Clause
Tenth Amendment
Interstate Compact
Treaty
Federal Question
Diversity of Citizenship
Amount in Controversy
Class Action
Derivative Action
Intervention
Joinder
Severance
Consolidation
Bifurcation
Trifurcation
Multifurcation
Interpleader
Garnishment
Attachment
Execution
Levy
Sheriff's Sale
Redemption Period
Deficiency Judgment
Bankruptcy
Chapter 7
Chapter 11
Chapter 13
Automatic Stay
Discharge
Dischargeability
Preference
Fraudulent Conveyance
Voidable Transaction
Trustee
Debtor in Possession
Creditors' Committee
Proof of Claim
Secured Claim
Unsecured Claim
Priority Claim
Administrative Expense
Reclamation
Setoff
Recoupment
Subordination
Equitable Subordination
Substantive Consolidation
Reorganization
Plan
Confirmation
Cramdown
Absolute Priority Rule
New Value Exception
Exclusivity
Disclosure Statement
Solicitation
Acceptance
Impairment
Unimpaired
Class
Creditor
Equity Security Holder
Interest
Lien
Security Interest
Perfection
Priority
Purchase Money Security Interest
Floating Lien
After-Acquired Property
Proceeds
Cash Collateral
Adequate Protection
Relief from Stay
Lift Stay
Abstention
Venue
Jurisdiction
Removal
Remand
Bankruptcy Court
District Court
Bankruptcy Judge
Magistrate
Clerk
Trustee
Examiner
Auctioneer
Appraiser
Accountant
Attorney
Fee Application
Compensation
Retainer
Lodestar
Contingency Fee
Hourly Rate
Billing Judgment
Pro Bono
Sanctions
Rule 11
Rule 9011
Show Cause
Hearing
Evidentiary Hearing
Non-Evidentiary Hearing
Status Conference
Pretrial Conference
Scheduling Order
Discovery
Deposition
Interrogatories
Request for Production
Request for Admission
Protective Order
Motion to Compel
Motion to Quash
Motion in Limine
Summary Judgment
Motion to Dismiss
Motion for Sanctions
Motion for Relief from Stay
Motion to Lift Stay
Motion to Abstain
Motion to Remand
Motion to Transfer Venue
Motion to Consolidate
Motion to Sever
Motion to Intervene
Motion to Join
Motion to Substitute
Motion to Withdraw
Motion to Amend
Motion to Supplement
Motion to Correct
Motion to Clarify
Motion to Reconsider
Motion to Stay
Motion to Enjoin
Motion to Vacate
Motion to Modify
Motion to Extend
Motion to Shorten
Motion to Continue
Motion to Defer
Motion to Table
Motion to Postpone
Motion to Advance
Motion to Set
Motion to Docket
Motion to Notice
Motion to Publish
Motion to File
Motion to Serve
Motion to Submit
Motion to Withdraw
Motion to Dismiss
Motion to Grant
Motion to Deny
Motion to Approve
Motion to Disapprove
Motion to Reject
Motion to Withdraw
Motion to Dismiss
Motion to Continue
Motion to Defer
Motion to Table
Motion to Postpone
Motion to Advance
Motion to Set
Motion to Docket
Motion to Notice
Motion to Publish
Motion to File
Motion to Serve
Motion to Submit

CASE NO. 3676
EXHIBIT NO. 1-C
STRUCTURE TOP UPPER PAY ZONE
PROPOSED WATERFLOOD UNIT
NORTH MACKENRY YATES POOL
EDDY COUNTY, NEW MEXICO
CONTOUR INTERVAL: 10'
SCALE: 1" = 1000'


T 19 S R 30 E
T 19 S R 31 E
25
26
24
19
23
U S A
Tidewater
Federal-Spencer
Union-Federal
Federal-Snyder
Union-Federal
Federal
Federal