KACHINA 8 FED #2
PARTED CASING EXPENDITURES
MAY 31, 1992

VENDOR NAME	INVOICE #	WORK DATE	DESCRIPTION	AMOUNT
CACTUS DRILLING	15456	09/29 – 10/06/91	159.5 HOURS OF DAYWORK @ $185.417/HR TAX INCLUDED	$31,200.58
PETCO	101–37025	09/29/91	FISHING TOOL RENTAL	13,529.44
THE DIA–LOG COMPANY	411–89299	09/29/91	LOG 8 5/8" CASING	1,453.32
OTIS ENGINEERING	810798	09/30/91	VIDEO SERVICE	5,435.36
HALLIBURTON SERVICES	178849	10/01/91	CEMENT SQUEEZE	4,861.90
HALLIBURTON SERVICES	153640	10/02/91	CASING ALIGNMENT TOOL	15,399.33
SCHLUMBERGER	760700	10/04/91	LOG WELL TO 8982'	19,790.17
				$91,670.10

CATANACH

HANLEY 11

10513

CACTUS

INVOICE

To Stella Mote

TO # 32256
Santa Fe Energy
550 W. Texas Suite 1330
Midland, Texas 79701

[illegible]
7P-AMAAEW 7C
L-257
57-32

RIG NO. 71
WELL NO. 103
INVOICE NO. 15456
DATE October 18, 1991

Charges for drilling your Kachina '8' Federal No. 2 well, located in Lea County, New Mexico:

Total depth	11,480.00 feet	
Less:		
Substructure	17.00 feet	
Cellar	5.00 feet	
	11,458.00 feet @ $13.80 per foot	$158,120.40

DAYWORK

9/23	10:15 pm - 11:00 pm	Circulate samples	.75
9/24	11:00 pm - 11:30 pm	Circulate samples	.50
9/28	7:45 am - 8:30 am	Circulate samples	.75
9/29	11:00 am - 11:00 pm	Attempt to work through casing, trip out, lau down BHA, log, wait on impression tools, run same	12.00
9/30	11:00 pm - 11:00 pm	Run impression block, wait on tools, run video camera, trip in with pipe, circulate, run camera, wait on tools, trip in with string reamer	24.00
10/1	11:00 pm - 11:00 pm	Work tight spot, trip in with swedge tool, swedge out casing, trip for reamer, ream from 2,495' to 2,503', circulate, trip out, set retainer, trip in to 2,703'	24.00
10/2	11:00 pm - 11:00 pm	Rig up Halliburton, pump cement, trip out, WOC	24.00

(Continued)

CACTUS

INVOICE

To Stella Mote

TO

Santa Fe Energy

RIG NO. 71
WELL NO. 103
INVOICE NO. 15456
DATE October 18, 1991

DAYWORK (Continued)

10/3	11:00 pm - 11:00 pm	WOC, trip in, drill cement, trip, drill cement	24.00
10/4	11:00 pm - 11:00 pm	Drill cement, circulate, trip in, wash to bottom, trip out, log	24.00
10/5	11:00 pm - 11:00 pm	Log, trip in with mill, mill, lay down 13 joints pipe, trip out with mill, trip in	24.00
10/6	11:00 pm - 2:30 am	Trip in, wash to bottom	3.50
10/7	7:45 am - 9:00 am	Circulate samples	1.25
10/8	5:15 pm - 9:00 pm	Trip 34 stands, change out drill pipe rubber	3.75
10/9	2:45 am - 4:45 am	Circulate samples	2.00
10/12	5:45 am - 9:00 am	Trip 33 stands, change out drill pipe rubbers	3.25
10/14	9:15 am - 11:00 pm	Circulate, trip out, log	13.75
10/15	11:00 pm - 9:00 am	Log, trip in	10.00
10/16	8:30 am - 9:30 pm	Open stage tool, circulate, run second stage cement on 5 1/2" casing, nipple down, set slips, clean pits, release rig @ 9:30 pm	13.00
			208.50

159.5 hrs
185.417
$29,574.01
x1.055
31,200.58

208.50 hours @ $4,450.00 per day/$185.417 per hour	38,659.44
	196,779.84
New Mexico tax @ 5.50%	10,822.89
	$207,602.73

THANK YOU

Spud 7:00 pm 9/12/91
Release 9:30 pm 10/16/91

CACTUS DRILLING COMPANY

PETCO
Fishing & Rental Tools
P.O. BOX 27706 • HOUSTON, TEXAS 77227-7706
WHERE QUALITY IS ASSURED

DEL'Y.-REC. RPT. NO.: 37-196133
ORDERED BY: D. DOUGLAS
PAGE: 1
INVOICE DATE: 10/23/91
INVOICE NU: 101-37025
RENTAL DATES:
ORDER LOCATION: HOBBS
CUSTOMER ORDER NO: J91009
SHIPPED TO CUSTOMER VIA: E. L. FARMER/ACE/PETCO
DATE SHIPPED: *09/29/91
RETURNED FROM CUSTOMER VIA: E. L. FARMER
DATE RETURNED: 10/06/91

6754A

CUSTOMER NUMBER: 050036-08-00

SOLD TO:
SANTA FE ENERGY
ATT: ACCOUNTS PAYABLE
550 W. TEXAS - STE. 1330
MIDLAND, TX
79701

SHIPPED TO:
SHIP TO:
LEASE: KACHINA 8 FEDERAL
WELL NO.: 2
FIELD:
RIG: CACTUS 71
PARISH/COUNTY: LEA
STATE: NI

QUANTITY	DESCRIPTION	DAYS MINIMUM	DAYS ADDITIONAL	AMOUNT	TOTAL
	* SEE ATTACHED DELIVERY TICKET FOR * * SHIPPED, RETURNED, AND RENTAL DATES *				
1	FISHING TOOL SUPERVISOR (RIP RYAN) 4 DAY(S) @			450.00	1,800.0
1	FISHING TOOL SUPERVISOR'S MILEAGE (MIN)			65.00	65.0
1	SUB 5/8" ROD (P) x 5/8" ROD (P) (ROTARY WIRELINE-NOP)	1		18.00	18.0
1	C/O SUB-4 1/2" FH BOX X 4 1/2" XH PIN 6 1/4" OD, 2 1/4" ID, 36" LONG 9144-056767	1		28.00	28.0
1	C/O SUB-4 1/2" FH BOX X 3 1/2" FH PIN 5 3/4" OD, 2 3/8" ID, 13" LONG 6144-003874	1		28.00	28.0
1	JAR, BUMPER-4 1/2 FH BOWEN, 6" OD 36" STROKE 35-000102	1		341.00	341.0
1	OIL JAR, 6-1/4" OD W/4-1/2" FH CONNS, H. E. #316	1 	 1	1,310.00 790.00	1,310.0 790.0
	PAGE 2 OF DELIVERY TICKET:				
1	ACCELERATOR JAR, 6-1/4" OD BOWEN W/4-1/2" FH CONNS, #3177 NO CHARGE				
1	C/O SUB-4 1/2" XH BOX X 4 1/2" FH PIN 6 1/4" OD, 2 1/4" ID, 36" LONG 9144-056769	1 	 1	28.00 6.00	28.0 6.0
1	6-1/4 OD LEAD BLOCK W/2-7/8 8RD CONN PER JOB RATE			437.50	437.5

AMAAE36X BA: 6754A
SHF: ___
COMPANY: 17

* DENOTES MULTIPLE VALUES

TERMS: NET 30 DAYS
REMIT TO:

PLEASE PAY THIS AMOUNT
INVOICE TOTAL

PETCO

Fishing & Rental Tools

P O. BOX 27706 • HOUSTON, TEXAS 77227-7706
WHERE QUALITY IS ASSURED

DEL'Y.-REC. RPT. NO.	ORDERED BY	PAGE	INVOICE DATE	INVOICE NUMBER
37-196133	D. DOUGLAS	2	10/23/91	101-37025

RENTAL DATES:

ORDER LOCATION: HOBBS

CUSTOMER ORDER NO: J91009

SHIPPED TO CUSTOMER VIA: E. L. FARMER/ACE/PETCO

DATE SHIPPED: *09/29/9

RETURNED FROM CUSTOMER VIA: E. L. FARMER

DATE RETURNED: 10/06/9

CUSTOMER NUMBER: 050036-08-00

SOLD TO:
SANTA FE ENERGY
ATT: ACCOUNTS PAYABLE
550 W. TEXAS - STE. 1330
MIDLAND, TX
79701

SHIPPED TO:
SHIP TO:
LEASE: KACHINA 8 FEDERAL
WELL NO.: 2
FIELD:
RIG: CACTUS 71
PARISH/COUNTY: LEA
STATE: N

QUANTITY	DESCRIPTION	DAYS MINIMUM	DAYS ADDITIONAL	AMOUNT	TOTAL
1	DOUBLE PIN SUB-2 7/8" EUE 8RD PIN X 2 3/8" EUE 8RDPIN (3 1/8" OD, 2" ID,) 1144-111751	1		18.00	18.0
1	SUB, 5/8 ROD (B) X 2-3/8 8RD (P)	1		18.00	18.0
1	MILL, STRING-8 1/4" OD W/3 1/2" IF BOX & PIN CONNS PER JOB RATE 43-113421			2,138.75	2,138.7
	PAGE 3 OF DELIVERY TICKET:				
1	WELDERS CHG. TO DRESS MILL ABOVE TICKET #83832			582.15	582.1
1	BIT SUB-4 1/2" XH BOX X 3 1/2" IF PIN	1		28.00	28.0
	4 3/4" OD, 1 1/2" ID, 12" LONG 9144-003882		1	6.00	6.0
1	3-1/2 IF MULE SHOE 5' LONG PER JOB RATE			70.00	70.0
2	JTS., DRILL PIPE, 3-1/2" OD 13.30# R-II GRADE 'E' W/3-1/2" IF CONNS, 62'	5		0.35	21.7
1	ELEVATOR - 3-1/2" OD, BJ TYPE "MGG" BOTTLENECK 25-023221	5		190.00	190.0
1	SLIPS - ROTARY, 1.900 - 4-1/2" OD BAASH-ROSS, DU-LONG 130-002954	1		160.00	160.0
1	TRANSPORTATION CHARGE: DEL. PER E L FARMER INV #12-02611			97.48	97.4

* DENOTES MULTIPLE VALUES.

TERMS:

REMIT TO: PETROLEUM EQUIPMENT TOOLS COMPANY

PLEASE PAY THIS AMOUNT

PETCO

Fishing & Rental Tools

P.O. BOX 27706 • HOUSTON, TEXAS 77227-7706

WHERE QUALITY IS ASSURED

DEL'Y.-REC. RPT NO.	ORDERED BY	PAGE	INVOICE DATE	INVOICE NUMBER
37-196133	D. DOUGLAS	3	10/23/91	101-3702

RENTAL DATES:

ORDER LOCATION: HOBBS

CUSTOMER ORDER NO: J91009

SHIPPED TO CUSTOMER VIA: E. L. FARMER/ACE/PETCO

DATE SHIPPED: *09/29/91

RETURNED FROM CUSTOMER VIA: E. L. FARMER

DATE RETURNED: 10/06/91

SOLD TO

CUSTOMER NUMBER: 050036-08-00

SANTA FE ENERGY
ATT: ACCOUNTS PAYABLE
550 W. TEXAS - STE. 1330
MIDLAND, TX
79701

SHIPPED TO

SHIP TO:

LEASE: KACHINA 8 FEDERAL

WELL NO.: 2

FIELD:

RIG: CACTUS 71

PARISH/COUNTY: LEA

STATE: N

QUANTITY	DESCRIPTION	DAYS MINIMUM	DAYS ADDITIONAL	AMOUNT	TOTAL
	PAGE 4 OF DELIVERY TICKET:				
1	TRANSPORTATION CHARGE: DELIVERY PER ACE INV #022-0021860			149.31	149.3
1	7-7/8" OD STRING MILL W/ 3-1/2" IF CONN. - PER JOB @ 42-104401			2,283.75	2,283.7
1	TRANSPORTATION CHARGE: DELIVERY PER ACE INV. #22-0021859			390.91	390.9
1	7-7/8" ROUGH ID BLADED MILL W/ 4-1/2" REG CONN. (NO CHARGE) 42-000725				
1	7" OD BOOT TYPE JUNK BASKET W/ 4-1/2" REG CONN. 7-002974	1		290.00	290.0
1	TRANSPORTATION CHARGE: DELIVERY PER PETCO (NO CHARGE)				
	PAGE 5 OF DELIVERY TICKET:				
1	7" OD BOOT TYPE JUNK BASKET W/ 4-1/2" REG CONN. 7B002089	1		290.00	290.0
1	7-7/8" ROUGH OD BLADED MILL W/ 4-1/2" REG CONN. - PER JOB @			1,496.25	1,496.2
1	TRANSPORTATION CHARGE: DEL. PER E L FARMER INV. #12-02641			97.48	97.4
1	SWAGE, CASING TYPE W/ CONN. X 6-1/2" OD (NOP-#26) (NO CHARGE)				

* DENOTES MULTIPLE VALUES.

TERMS: NET 30 DAYS

REMIT TO: PETROLEUM EQUIPMENT TOOLS COMPANY

PLEASE PAY THIS AMOUNT

INVOICE TOTAL

PETCO

Fishing & Rental Tools

P.O. BOX 27706 • HOUSTON, TEXAS 77227-7706
WHERE QUALITY IS ASSURED

DEL'Y -REC. RPT. NO	ORDERED BY	PAGE	[illegible]	[illegible]
37-196133	D. DOUGLAS	4	10/23/91	101-3702

RENTAL DATES	ORDER LOCATION	CUSTOMER ORDER NO
	HOBBS	J91009

SHIPPED TO CUSTOMER VIA: E. L. FARMER/ACE/PETCO
DATE SHIPPED: *09/29/9

RETURNED FROM CUSTOMER VIA: E. L. FARMER
DATE RETURNED: 10/06/9

SOLD TO

CUSTOMER NUMBER: 050036-08-00

SANTA FE ENERGY
ATT: ACCOUNTS PAYABLE
550 W. TEXAS - STE. 1330
MIDLAND, TX
79701

SHIPPED TO

SHIP TO:

LEASE: KACHINA 8 FEDERAL

WELL NO.: 2
FIELD:

RIG: CACTUS 71
PARISH/COUNTY: LEA
STATE: N

QUANTITY	DESCRIPTION	DAYS MINIMUM	DAYS ADDITIONAL	AMOUNT	TOTAL
1	SWAGE, CASING TYPE W/ CONN. X 6-7/8" OD (NOP-#26)	1		275.00	275.0
1	SWAGE, CASING TYPE W/ CONN X 7-7/8" OD (NOP #26)	1		282.00	282.0
	PAGE 6 OF DELIVERY TICKET:				
1	SWAGE, CASING TYPE W/ CONN X 6" OD (NOP-#26)	1		275.00	275.0
1	SWAGE, CASING TYPE W/ CONN. X 5-3/4" OD (NOP-#12) (NO CHARGE)				
1	HEAD, GLOBE DK TYPE BASKET- 7 1/2" OD W/ 7 3/8" WP BOX CONN W/ EXT. & T. BUSH.-N/C 5-000342 57-008377 10-102771				
1	SUB, 4-1/2" FH (P) X 4-1/2" REG (P) (NO CHARGE) 144-235181				
	PAGE 7 OF DELIVERY TICKET:				
1	TRANSPORTATION CHARGE: RETURN PER E.L. FARMER INV. #12-02642			190.90	190.9
1	TRANSPORTATION CHARGE: DELIVERY PER PETCO INV. #46703			45.50	45.5
1	TRANSPORTATION CHARGE: DEL. PER E L FARMER INV. #12-02613			97.48	97.4
24	ENDS INSPECTED: EACH @			10.00	240.0
1	TRANSPORTATION CHARGE: RETURN PER E.L. FARMER INV. #12-02678			97.48	97.4

* DENOTES MULTIPLE VALUES.

TERMS:
NET 30 DAYS

REMIT TO: PETROLEUM EQUIPMENT TOOLS COMPANY

PLEASE PAY THIS AMOUNT

INVOICE TOTAL

PETCO

Fishing & Rental Tools

P.O. BOX 27706 • HOUSTON, TEXAS 77227-7706
WHERE QUALITY IS ASSURED

ELY.-REC. RPT. NO.	ORDERED BY	PAGE	INVOICE DATE	INVOICE
37-196133	D. DOUGLAS	5	10/23/91	101-

RENTAL DATES	ORDER LOCATION	CUSTOMER ORDER N
	HOBBS	J91009

SHIPPED TO CUSTOMER VIA	DATE SHIPPE
E. L. FARMER/ACE/PETCO	*09/2

RETURNED FROM CUSTOMER VIA	DATE RETUR
E. L. FARMER	10/0

SOLD TO

CUSTOMER NUMBER
050036-08-00

SANTA FE ENERGY
ATT: ACCOUNTS PAYABLE
550 W. TEXAS - STE. 1330
MIDLAND, TX
79701

SHIPPED TO

SHIP TO

LEASE: KACHINA 8 FEDERAL
WELL NO.: 2
FIELD:
RIG: CACTUS 71
PARISH/COUNTY: LEA

QUANTITY	DESCRIPTION	DAYS MINIMUM	DAYS ADDITIONAL	AMOUNT	TOTAL
1	SET 5-3/4" X 4-1/2" FH BUMPER SUB PACKING - TO SALE @			87.60 ✓	87
1	LEAD BLOCK F/ REPAIR TKT #16553			237.94 ✓	237
1	TRANSPORTATION CHARGE: DELIVERY PER ACE INV. #022-0021879			149.31 ✓	149
	PAGE 8 OF DELIVERY TICKET: LESS 30% PETCO DRILL PIPE/TUBING/HEVI-WATE ON 21.70			6.51 ✓	6
	LESS 30% PETCO BOOT BASKET ON 580.00			174.00 ✓	174.
	LESS 30% PETCO FISHING TOOLS/WASHPIPE ON 7,277.25			2,183.18 ✓	2,183.
	5.75% NEW MEXICO STATE TAX ON 12,793.80			735.64	735.
	FINAL RENTAL BILLING - THANK YOU! REPAIRS TO FOLLOW, IF ANY				

* DENOTES MULTIPLE VALUES.

TERMS:
NET 30 DAYS

REMIT TO: PETROLEUM EQUIPMENT TOOLS COMPANY
P.O. BOX 27706 • HOUSTON, TEXAS

PLEASE PAY THIS AMOUNT

INVOICE TOTAL

PETCO
Fishing & Rental Tools

11000 Richmond Ave
Suite 600
Houston, TX 77042
713-953-1141

Job No. 1963
Store Hobbs
____ of ____ pag

Charge To SAntA Fe Energy
Date 9-29- 1991
Address
Car No. 1633
Lease KaChinA #8 Fed Com
Well No. 2

Operator's Time			TOTAL
Starting Date	Ending Date	Total Days Worked ____ @ ____	
Actual Hours Worked This Date	P.M. A.M. to	A.M. P.M.	
Operator's Car Mileage	Miles (a)		

DESCRIPTION OF SERVICE IN DETAIL

9-29-91
Run 6 1/4 O.D. Imp Block WAit on Otis
9-30-91
Run 7 7/8 O.D. String mill JArs Try To drillout Tite spot
TOH.
10-1-91
PicKup 6 O.D. Swedge B.J. JAr T.I.H Swedge out Spot
TOH Pickup 7 O.D. Swedge TIH Swedge out Tite spot
T.O.H. PicKup 7 7/8 O.D. Swedge TIH Swedge out Tite spot
ToH. PicKup 7 7/8 O.D. String mill TIH WorK Thru
Tite spot TOH.
10-2-91
PicKup CAsing Alignment Tool - TIH Set Tool
& Cement. Job Complete

We do not guarantee any rental tool or service in any respect and party renting same assumes all responsibility while tool or operator is in his possession. Charge will be made for all expense, such as telephone or telegraph messages, freight, express and drayage and all damages to tools and all parts lost or destroyed. PETROLEUM EQUIPMENT TOOLS CO. reserves and retains title to all property mentioned herein, until the purchase price is fully paid.

P. O. No.

OPERATOR C. V. Ryan

CUSTOMER SIGNATURE

OIL WELL ELECTRIC LINE SERVICES

INVOICE

THE DIA-LOG COMPANY
A BIG THREE INDUSTRY
P. O. BOX 14103, HOUSTON, TEXAS 77221-4103
TELEPHONE (713) 747-2100

October 8, 1991

RECEIVED
ACCOUNTS PAYABLE
OCT 28 19
HOUSTON

215A

SANTA FE ENERGY RESOURCES, INC.
550 West Texas, Suite 1330
Midland, Texas 79701

Customer No. 930

Terms. Net - No Discount

J91009
Order No. OD-PD-812428

JobTicketNo. 41339

Invoice No. 411-89299

Well Name and No. Kachina 8 Fed Com #2

Location (Lea)

State New Mexico

9-29-91	Ran Dia-Log Minimum ID Caliper and logged 2510' of 8-5/8" casing.	
	Tool Service Charge:	425.00
	Depth Charge: 2510' at .28 per foot	702.80
	Charge for additional copies of log: 10' (one additional copy) at .65 per foot	6.50
	Ran 10' of 2" dia. Weights with 6-1/4" dia. impression block in 8-5/8" casing to 2505'. (Charged as Feeler Run)	240.00
		1,374.30
	New Mexico Gross Receipts Tax	79.02
		1,453.32

MRB

AMAAELLW BA: 215A

SHE: 1

COMPANY: 14

DDR 10/22/91

DATE 10-16-91 APPROVED:

	ACTIVITY	CODE	AFE	[illegible]
511.43	W4257-1		991009	100%

ORIGINAL

ORDER AND JOB TICKET

THE DIA-LOG COMPANY

A BIG THREE INDUSTRY

OIL WELL ELECTRIC LINE SERVICES
P. O. BOX 14103
HOUSTON, TEXAS 77221-4103
PHONE (713) 747-2100

CALIFORNIA DIVISION
THE DIA-LOG COMPANY
P.O. BOX 4008
WHITTIER, CALIFORNIA 90607-4008
PHONE (213) 946-6346

Date 9-29-91

41339

Operating Base Hobbs, New Mexico

Charge to SAnte Fe Energy

Customer's Order No. J91009

Mailing Address: Street or Box Number 500 TexAS AVe Suite 1300 City MidLAnd State TexAS Zip 79701

Well Name and Number KAchinA 8 Fed. com, #2 Location or Field

County or Parish LeA State N.M

OFFICE USE ONLY	DESCRIPTION	CHARGE
	Truck No. 328 Skid Unit No. Round Trip Miles 80 Miles Charged for NONe	
	(1) RAN Dia-Log Minimum I.D. Caliper And Logged	
	2510' of 8 5/8" CASing.	
	(2) Tool Service Charge	$ 425,00
	Depth charge: 2510' AT $ 0.28 Per Foot	$ 702.80
	~~Sub Total~~	$ ~~1127.80~~
	~~SALe TAX~~	$ ~~64.85~~
	(3) RAN Dia-Log 10' of 2" O.D. weights And 6 1/4" OD Lead	
	impression block And spudded on obstruction At	
	2505'.	$ 450.90
	Sub ToTAL	$ 1578.70
	SALe TAX	$ 90.77
	SERVICEMEN'S EXPENSE	

OPERATOR Jim R. Kettner

RECEIPT OF THE SERVICES AND/OR EQUIPMENT LISTED ABOVE IS ACKNOWLEDGED AND IT IS HEREBY AGREED THAT THE DIA-LOG COMPANY IS NOT LIABLE FOR DAMAGES, INJURIES OR LOSS OF ANY NATURE RESULTING DIRECTLY OR INDIRECTLY FROM SERVICES PERFORMED OR EQUIPMENT USED, AND FURTHER, THAT THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE HEREOF ARE ACCEPTED.

$ 1669.4
~~[illegible]~~

ASSISTANT OPERATOR Bill Kays

CUSTOMER SAnte Fe Energy

AUTHORIZED AGENT Doug Douglas

Departed From Operating Base: Date 9-29-91 A.M. 1:00 P.M.
Arrived At Location: Date 9-29-91 A.M. 2:30 P.M.
Released From Location: Date 9-29-91 A.M. 6:30 P.M.
Arrived At Operating Base: Date 9-29-91 A.M. 8:00 P.M.

REMARKS
Field Price Subject to change

FA—12

OTIS ENGINEERING CORPORATION

A HALLIBURTON COMPANY

DIRECT CORRESPONDENCE TO
P.O. BOX 819052 DALLAS, TEXAS 75381-9052
TELEPHONE (214) 418-3000

SEND REMITTANCES TO
P. O. BOX 845881
DALLAS, TEXAS 75284-5881

SOLD TO:

CUSTOMER NUMBER
6487100

SANTA FE ENERGY
ATTN - ACCOUNTING DEPT.
1616 SOUTH VOSS, SUITE 300
HOUSTON, TX 77057

576A

INVOICE NO. 810798

DATE 10/10/91

ICE OR DAT	TICKET NO.	PURCHASE ORDER NO.	SALES CR.	API WELL NO.	WELL NAME AND LOCATION	INTEREST RATE
0- 4	474558		401031		KACHINA MALJAMAR 8 FED 2 NM	

IET 30 DAYS. All charges are due within 30 days after delivery of materials, performance of services or accrual of other charges, without discount. All amounts are payable to Otis in Dallas, Texas, and will bear interest at the rate specified above from expiration of said thirty-day period. All services and materials specified herein were furnished subject to terms and conditions stated on Otis Merchandise and Service Order.

T NUMBER	DESCRIPTION		QUANTITY	UNIT PRICE	TOTAL
230	VIDEO SERVICE (0-5000 FT)-USE-	T	1.0	3,200.00	3,200.00
224	W/L UNIT WITH CREW - VIDEO SER	T	8.0	90.00	720.00
236	VIDEO CAMERA INSURANCE PER JOB	T	1.0	350.00	350.00
99	MILEAGE	T	252.0	1.00	252.00
225	MILEAGE CHARGE - VIDEO SERVICE	T	252.0	2.50	630.00
	STATE TAX - 5.000% NEW MEXICO				257.60
	LOCAL TAX - .500% LEA COUNTY, NM				25.76
	TOTAL AMOUNT DUE				5,435.36

XABLE AMT

AMAAF2TG BA: 576A

SHF: —

COMPANY: 14

AP

MAR 1 2 1992

Lou Thane
Midland

Vd hereby certify that to the best of our knowledge and belief the items covered by this invoice have been produced in conformity with the applicable provisions of the Federal Fair Labor Standards Act of 1938, as amended.

OTIS Otis Engineering Corporation
A HALLIBURTON Company

P.O. BOX 819052, DALLAS, TEXAS 75381-9052
AREA CODE 214-418-3000

MERCHANDISE AND SERVICE ORDER

OEC-110-T

INVOICE TO:
SANTA FE ENERGY
550 TEXAS AVENUE
SUITE 1300
MIDLAND, TX. 79701

NO. 474558

SEE ORDER NO. (ACCT. ONL

EQUIPMENT UTILIZATION

		—		
		—		

We hereby request OTIS ENGINEERING CORPORATION to come to the well location of

OWNER NAME: SANTA FE ENERGY

WORK ORDER BY (SIGNATURE): Hugh Hough

LEASE: KACHINA

AB WELL NO.:

FIELD OR AREA: MALJAMAR

WELL NO.: FED. #2

STATE: NEW MEXICO

FEDERAL WATERS: ☐ YES ☒ NO

CITY CODE:

COUNTY PARISH: LEA

and hereby agree that its work shall be performed under the terms and conditions on reverse side hereof.

D.F.:

(ACCOUNT ONLY)

DATE: 9-30-91

SALES CREDIT: 401

ST.:

INV. CR.: 401

TAX CODE:

CUSTOMER ORDER NO.: AFE - J-91009

COMMENTS:

SUB SURFACE SAFETY VALVE WAS:
☐ PULLED & RETURN ☐ PULLED ☐ RUN

TYPE LOCK:

DEPTH:

TYPE VALVE:

SIZE:

SPACERS:

TUBING PRESSURE:

CASING PRESSURE:

CASING SIZE: CASING 8 5/8

WELL DEPTH: 8987'

TREE CONNECTION:

TYPE OF EQUALIZING SUB.:

UNIT OR VIA: 60515 - TA21 - TA22

- ☐ EQUIP. DEL. OFFSHORE BY OTIS
- ☐ EQUIP. PICKED UP WHSE./DELIVERED TO DOCK
- ☐ REPAIRED WAREHOUSE
- ☐ REPAIRED WELLSITE
- ☐ REPAIRED OTHER LOCATION ______
- ☒ DRILLING
- ☐ PRODUCTION

ITEM	SERVICE CODE	SERVICE, RENTAL AND THIRD PARTY CHARGES	D.F.	TL UNITS	UNIT PRICE	AMOUNT
1	140230	VIDEO SERVICE CHG. (0-5000 FT)		1	3200 00	320
2	140224	UNIT AND CREW CHG. (8 HR MIN.)		8	90 00	72
3	140236	CAMERA INSURANCE (PER JOB PER DAY)		1	350 00	35
4						
5						
6						
7	208099	MILEAGE FOR PICK-UP UNIT #60515		252	1 00	25
8	140225	FROM: ODESSA, TX. TO LOCATION OR DOCK 126 MILES TO: ODESSA, TX. FROM LOCATION OR DOCK 126 MILES		252	2 50	[illegible]

MATERIAL FURNISHED AND/OR DESCRIPTION OF OPERATION

ITEM	CODE	ITEM NUMBER OR DATE	SIZE, TYPE AND DESCRIPTION	D.F.	QTY.	UNIT PRICE	AMOUNT
9		9-30-91	0400 HRS. ARRIVE ON LOCATION.				
10			HELD SAFETY MEETING. RIG UP.				
11			GO IN 8 5/8 CASING W/2 1/4				
12			DOWNWARD LIGHT CASING				
13			CAMERA. FLUID DIRTY. POOH.				
14		9	RIG RAN OPEN ENDED DRILL				
15			PIPE IN HOLE TO CIRCULATE.				
16			STAND BY. RUN CAMERA IN				
17			DRILL PIPE. RUN CASING LOG.				
18			RIG DOWN.				
19			DEPART LOCATION 1200 HRS.				
20							
21			EST. FIELD COST # 5152 00				
22							

JP R

BILLING COPY

SERVICE PERFORMED AND/OR MERCHANDISE DELIVERED BY:

EMPLOYEE	HRS.	EMPLOYEE	HRS.
BURKHART	8	BABCOCK	8
McMAHAN	8		

CUSTOMER NAME: SANTA FE ENERGY

APPROVED BY: Hugh Hough

OFF. MGR. APPROVAL: AA

INVOICE NO.:

INVOICE DA

ORIGINAL

INVOICE

321D

HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
178849	10/01/199

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
ACHINA 8 FEDERAL COMM #2	LEA	NM	SAME

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
OBBS NM.	CACTUS #71	MISCELLANEOUS PUMPING	10/01/199

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE N
??509	DUGAN DOUGLAS		AFEJ-91009	COMPANY TRUCK	2325

SANTA FE ENERGY RESOURCES, INC
550 W. TEXAS
SUITE 1330
MIDLAND, TX 79701

DIRECT CORRESPONDENCE TO:
DRAWER 1889
SUITE 400
EMPIRE PLAZA BUILDING
MIDLAND, TX 79702

RECEIVED
ACCOUNTS PAYABLE
OCT 17 1989
HOUSTON

[illegible]	DESCRIPTION	QUANTITY	[illegible]	UNIT PRICE	AMOUNT
RICING AREA - MID CONTINENT					
000-117	MILEAGE	45	MI	2.60	117.00
		1	UNT		
000-119	MILEAGE FOR CREW	45	MI	1.35	60.75
		1	UNT		
009-134	CEMENT SQUEEZE	2501	FT	1,125.00	1,125.00
009-019		1	UNT		
019-600	BOOSTER PUMP SKID	1	DAY	260.00	260.00
		1	EA		
009-027	PLUGGING BACK ADD. HR.	4	HR	180.00	720.00
		1	UNT		
504-050	PREMIUM PLUS CEMENT	400	SK	6.44	2,576.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.25	157.50
507-665	HALAD-9	28	LB	7.50	210.00
500-207	BULK SERVICE CHARGE	412	CFT	1.15	473.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	856.7775	TMI	.80	685.42
	INVOICE SUBTOTAL				6,385.47
	DISCOUNT-(BID)				1,787.92-
	INVOICE BID AMOUNT				4,597.55
	*-NEW MEXICO STATE SALES TAX				206.88
	*-HOBBS CITY SALES TAX				45.97
	*-LEA COUNTY SALES TAX				11.50
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT ==========================>				$4,861.90

AMAAEGRO BA: 321D

SHF: 14

COMPANY:

MRB

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST

HALLIBURTON SERVICES

A Division of Halliburton Company

28 23295

TICKET 178849 0

1906 R-11

WELL NO. — FARM OR LEASE NAME: Nell #2 · Kachina 8 Fed Comm
COUNTY: Lea
STATE: NM
CITY / OFFSHORE LOCATION:
DATE: 10-1-91

CHARGE TO: Santa Fe Energy
OWNER: Same
TICKET TYPE (CHECK ONE): SERVICE ☑ SALES ☐
NITROGEN JOB: YES ☐ NO ☑

ADDRESS: 500 West Illinois
CONTRACTOR: Cactus #71
1 LOCATION: Hobbs NM
CODE: 20340

CITY, STATE, ZIP: Midland, TX 79701
SHIPPED VIA:
FREIGHT CHARGES: ☐ PPD ☐ COLLECT
2 LOCATION:
CODE:

WELL TYPE: 01-Oil
WELL CATEGORY: 01-Development
WELL PERMIT NO.:
DELIVERED TO: Location
3 LOCATION:
CODE:

TYPE AND PURPOSE OF JOB: 450-Recat Printed Csg
B-101740
ORDER NO.: AFE J-9100
REFERRAL LOCATION:

[illegible]

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1 QTY	UNITS 1 MEAS	UNITS 2 QTY	UNITS 2 MEAS	UNIT PRICE	AMOUNT
000-117		1		MILEAGE Pump Truck	45	mi	1	ea	2.60	117.00
000-119		1		Cmt P'up mileage	45	mi	1	ea	1.35	60.75
009-134	009-019	1		Pump charge	2501	FT	1	UNT		1125.00
019-600		1		Booster Pump	1	DAY	1	ea		260.00
009-027		1		ADDITIONAL HOURS	1	UNT	4	HR	180.00	720.00

TOTAL WEIGHT

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-101740 — 4402.22

500-207

WAS JOB SATISFACTORILY COMPLETED? Excellent

WAS OPERATION OF EQUIPMENT SATISFACTORY? Excellent

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? Excellent

CUSTOMER OR HIS AGENT (PLEASE PRINT)

CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Thank You

6685.17

HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

ORIGINAL

INVOICE

321D

HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
153640	10/02/19

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
KACHINA 8-2	LEA	NM	SAME

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
ODESSA TX.	CACTUS DRLG. #71	DRILLABLE TOOL SERVICE	10/02/19

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE
779509	D. DOUGLAS		AFE J91009	COMPANY TRUCK	233

RECEIVED
ACCOUNTS PAYABLE
OCT 17 19
HOUSTON

SANTA FE ENERGY RESOURCES, INC
550 W. TEXAS
SUITE 1330
MIDLAND, TX 79701

DIRECT CORRESPONDENCE TO:
DRAWER 1889
SUITE 400
EMPIRE PLAZA BUILDING
MIDLAND, TX 79702

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
100-115	MILEAGE	70	MI	1.35	94.50
		1	UNT		
000-117	MILEAGE	70	MI	2.60	182.00
		1	UNT		
117-009	CASING ALIGNMENT TOOL	45	FT	135.00	6,075.00
		1	EA		
117-009	CASING ALIGNMENT TOOL	30	FT	135.00	4,050.00
		1	EA		
94 802.353	EZ DRILL SV SQZ PKR 8 5/8"	1	EA	1,755.00	1,755.00
94 802.353	EZ DRILL SV SQZ PKR 8 5/8"	1	EA	1,755.00	1,755.00
116-434	OPERATOR SERVICE CHARGE	8	HR	260.00	260.00
116-434	OPERATOR SERVICE CHARGE	8	HR	260.00	260.00
128-546	SQUEEZE MANIFOLD	1	DAY	165.00	165.00
		1	EA		
	INVOICE SUBTOTAL				14,596.50
	*-NEW MEXICO STATE SALES TAX				729.83
	*-LEA COUNTY SALES TAX				73.00

AMAAEGRE BA: 321D
SHF:
COMPANY: 14

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ==================> $15,399.33

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST

1 PAGES

HALLIBURTON SERVICES

A Division of Halliburton Company

TICKET NO. 153640

FARM OR LEASE NAME: KACHINA	COUNTY: LEA	STATE: N.M.	CITY / OFFSHORE LOCATION:	DATE: 10-2-91

CHARGE TO: SANTA-FE Energy Resources Inc.

ADDRESS: ATTN: Darrell Roberts

500 W. TEXAS [illegible] 1300

CITY, STATE, ZIP: MIDLAND, TX 79701

OWNER: SANTA-FE

CONTRACTOR: CACTUS DRLG. #71

SHIPPED VIA: CO. TRK

FREIGHT CHARGES: ☐ ☐

DELIVERED TO: LOCATION

ORDER NO.: AFEJ91009

TICKET TYPE (CHECK ONE): SERVICE ☑ SALES ☐

NITROGEN JOB: YES ☐ NO

1 LOCATION: ODESSA CODE: 20170

2 LOCATION: CODE:

3 LOCATION: COMPANY TRUCK CODE:

REFERRAL LOCATION:

WELL TYPE: 01

WELL CATEGORY: 01

WELL PERMIT NO.:

TYPE AND PURPOSE OF JOB: 8 5/8 CSG. ALIG. TOOL / 667

B-

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. [illegible]

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF. OR PART NO.	LOC	ACCOUNT	DESCRIPTION	UNITS 1 QTY	UNITS 1 MEAS	UNITS 2 QTY	UNITS 2 MEAS	UNIT PRICE	AMOUNT
100-115		1		MILEAGE TOOLS	70	mi.	1	unit	[illegible]	94 5[illegible]
000-117		1		" " FLOAT	70	mi.	1	unit	2.60	182.0[illegible]
117-009		1		8 5/8 CASING ALIGUMENT TOOL	45	FT.	1	EA.	135.00	6075.0[illegible]
117-009		1		2 7/8 CASING ALIGUMENT TOOL	30	FT.	1	EA.	135.00	4050.0[illegible]
94	802.353	1		8 5/8" EZ-DRILL-SV	1	EA.	2208.	FT.	1755.00	1755.0[illegible]
94	802.353	1		8 5/8" EZ-DRILL-SV	1	EA.	2467	FT.	1755.00	1755.0[illegible]
116-434	116-816	1		OPER. SERV. CHG	[illegible]	HRS	1	EA.	260.00	260.0[illegible]
116-434	116-816 SV	1		OPER. SERV. CHG	8	HRS.	1	EA	260.00	260.0[illegible]
125-546		1		SQ. MANIFOLD	24	HRS.	1	EA.	165.00	165.0[illegible]
802.353										
				SERVICE CHARGE	8	HR			260.00	260.00
				SERVICE CHARGE	4	HR			260.00	260.00
				MANIFOLD	1	DAY			165.00	165.00
				INVOICE SUBTOTAL						[illegible]
				* NEW MEXICO STATE SALES TAX						729.8[illegible]
				* LEA COUNTY SALES TAX						[illegible]
				[illegible] PAID						

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-

WAS JOB SATISFACTORILY COMPLETED? Excellent

WAS OPERATION OF EQUIPMENT SATISFACTORY? Excellent

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? Excellent

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

CUSTOMER OR HIS AGENT (PLEASE PRINT)

HALLIBURTON OPERATOR

APPROVED FOR INVOICE

FORM 43 G

Schlumberger Well Services

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

THE ANSWER COMPANY

PAGE 2

CORRESPONDENCE MAILING ADDRESS
SCHLUMBERGER WELL SERVICES
4100 SPRING VALLEY STE 600
DALLAS TX 75244

SANTA FE ENERGY CORP
550 W. TEXAS SUITE 1330

MIDLAND TX
79701

REMITTANCE ADDRESS
SCHLUMBERGER WELL SERVICES
P O BOX 298982
HOUSTON TX 77298

TERMS: NET 30 DAYS FROM DATE OF SERVICE

INVOICE DATE	SERVICE ORDER DATE	SERVICE ORDER NO.	YOUR ORDER NO.	INVOICE NO.
10/05/91	10/05/91	603115	J-91009	760700

STATE	FIELD	LEASE
NM	SOUTH CORBIN	KACHINA "8" FEDERAL

LOCATION	WELL	OFFSHORE ZONE
SEC 8, 18-S, 33-E LEA	#2	

WE APPRECIATE YOUR BUSINESS!

RECEIVED ACCOUNTS PAYABLE OCT 30 1991 HOUSTON

			AMOUNT
			$
0930	DUAL LATEROLOG		
8981.00	FT. DEPTH CHARGE AT	.39	3,502.59
0930	DUAL LATEROLOG		
5911.00	FT. OPERATION CHARGE AT	.39	2,305.29
0930	DISCOUNT EVALUATION SERVICES DEVELOPMENT		
1.00-	AT	2323.15	2,323.15CR
	PLUS TAX		200.37
			3,685.10 *
1210	RXO LOG (MSFL)		
8981.00	FT. DEPTH CHARGE AT	.35	3,143.35
1210	RXO LOG (MSFL)		
5911.00	FT. OPERATION CHARGE AT	.35	2,068.85
1210	DISCOUNT EVALUATION SERVICES DEVELOPMENT		
1.00-	AT	2084.88	2,084.88CR
	PLUS TAX		179.82
			3,307.14 *
9930	SELECTION OH 0-10,000 FT		
4.00	TOOL PROTECTION CHARGE AT	125.00	500.00
	PLUS TAX		28.75
			528.75 *

AMAAEQXL BA: 7013

SHF: —

COMPANY: 14

CODED: 4 DATE: 10-24-91 APPROVED: DOR 11/4/91

ACCOUNT	ACTIVITY	BILL CODE	AFE	%/hrs/amt
511·~~54~~43	W4257-1		991009	100%

CUSTOMER	LOCATION
03194B005	34020

TOTAL CHARGE PAY THIS AMOUNT 19,790.17 **

FORM 43 G

Schlumberger Well Services

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

THE ANSWER COMPANY

CORRESPONDENCE MAILING ADDRESS
SCHLUMBERGER WELL SERVICES
4100 SPRING VALLEY STE 600
DALLAS TX 75244

SANTA FE ENERGY CORP
550 W. TEXAS SUITE 1330

MIDLAND TX
79701

REMITTANCE ADDRESS
SCHLUMBERGER WELL SERVICES
P O BOX 298982
HOUSTON TX 77298

TERMS: NET 30 DAYS FROM DATE OF SERVICE

INVOICE DATE	SERVICE ORDER DATE	SERVICE ORDER NO.	YOUR ORDER NO.	INVOICE NO.
10/05/91	10/05/91	603115	J-91009	760700

STATE	FIELD	LEASE
NM	SOUTH CORBIN	KACHINA "8" FEDERAL

	LOCATION	WELL	OFFSHORE ZONE
	SEC 8, 18-S, 33-E LEA	#2	

WE APPRECIATE YOUR BUSINESS!

			AMOUNT
			$
0000-063	OH LAND CSU SERVICE CHARGE CSU SERVICE CHARGE		1,796.40
3610	COMPENSATED NEUTRON LOG		
8979.00	FT. DEPTH CHARGE AT	.40	3,591.60
3610	COMPENSATED NEUTRON LOG		
8979.00	FT. OPERATION CHARGE AT	.40	3,591.60
3011	GAMMA RAY COMBINED (FIRST DESCENT)		
8979.00	FT. DEPTH CHARGE AT	.11	987.69
3011	GAMMA RAY-COMBINED (FIRST DESCENT)		
8979.00	FT. OPERATION CHARGE AT	.11	987.69
3610	DISCOUNT EVALUATION SERVICES DEVELOPMENT		
1.00-	AT	4637.99	4,637.99CR
6124	SETUP		
1.00	AT	250.00	250.00
6124	BASIC O/SW SERVICES		
1.00	AT	MINIMUM	390.00
	PLUS TAX		400.04
			7,357.03 *
3430	LITHOLOGY DENSITY LOG WITH PE		
8979.00	FT. DEPTH CHARGE AT	.52	4,669.08
3430	LITHOLOGY DENSITY LOG WITH PE		
5909.00	FT. OPERATION CHARGE AT	.52	3,072.68
3430	DISCOUNT EVALUATION SERVICES DEVELOPMENT		
1.00-	AT	3096.70	3,096.70CR
	PLUS TAX		267.09
			4,912.15 *

CUSTOMER	LOCATION
031948005	34020

CONTINUED ON PAGE 2

TOTAL CHARGE
PAY THIS AMOUNT

UNIT - FINANCIAL
SHADED AREAS FOR
UNIT - FINANCIAL USE ONLY

SERVICE ORDER CONTRACT - LOGGING

SCHLUMBERGER WELL SERVICES
A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
P. O. BOX 2175, HOUSTON, TEXAS 77252-2175

SWS—2750-J

DATE	10/4/91
CUSTOMER P.O. NUMBER	J-91009
SERVICE ORDER NO	603115
PAGE	1 OF 2
SCHL INVOICE NUMBER	760200
DATE RECEIVED BY UNIT - FINANCIAL	
SCHL NUMBER	775-7174
SCHL CUSTOMER CODE	031948005

SERVICE(S), EQUIPMENT AND/OR PRODUCTS REQUESTED

Dual Laterolog / Micro-SFL / GR
Compensated Neutron / Litho-Density

CUSTOMER FURNISHED LEASE/WELL INFORMATION

POSTED

STATE	New Mexico
ST. CODE	
COUNTY (PARISH/BOROUGH/AREA)	Lea
RIG NAME	Cactus #71
OFFSHORE ZONE	
LEASE	Kachina "8" Federal
WELL NUMBER	2
PRICE ZONE	WTD
LOCATION	1830' FNL & 660' FWL, Sec. 8, T18S, R33E
FIELD	South Corbin
ORIGINAL HOLE SAID TO BE SIDETRACKED AT	
COMPANY	Santa Fe Energy Operating Partners, L.P.
SAID WELL IS SAID TO BE IN GOOD CONDITION AND DRILLED TO A DEPTH OF	8979 FT.

THIS IS A CONTRACT. PLEASE READ CAREFULLY. IN CONSIDERATION OF THE PRICES, ... SERVICES, EQUIPMENT AND/OR PRODUCTS PROVIDED TO CUSTOMER HEREUNDER, CUSTOMER AND SCHLUMBERGER AGREE TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE HEREOF. THERE ARE, AMONG OTHER THINGS, INDEMNITY AND HOLD HARMLESS PROVISIONS AND WARRANTY EXCLUSIONS THEREIN. CUSTOMER MAY CHOOSE TO NEGOTIATE DIFFERENT TERMS AND CONDITIONS WITH SCHLUMBERGER WHICH MAY ENTAIL INCREASED PRICES AND/OR THE PROVISION OF INSURANCE COVERAGE PROTECTING SCHLUMBERGER AGAINST THE LIABILITIES PRESENTLY ASSUMED BY CUSTOMER HEREUNDER.

CUSTOMER'S NAME - PRINT	Santa Fe Energy Operating Partners, L.P.
TOOL PROTECTION REQUESTED IF AVAILABLE? CUSTOMER PLEASE INITIAL ONE	YES XHD NO ____ ☐ NOT AVAILABLE
INVOICE MAILING ADDRESS - P.O. BOX OR STREET	550 West Texas Suite 1330
CITY	Midland
STATE	TX
ZIP CODE	79701
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE	X Hugh Doyle
TITLE AND ADDRESS IF EXECUTED BY CUSTOMER'S REPRESENTATIVE	

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER ... FINANCIAL DEPARTMENT

UNIT NUMBER	8502
	☒ CSU ☐ STANDARD
LOCATION NAME	Hobbs
LOCATION CODE	3402
LOCATION TERRITORY JOB IN	Hobbs
ACTUAL ROUND TRIP MILEAGE	98 FROM Hobbs
MILEAGE CHARGED	0 FROM Hobbs
	☐ EXPL WELL ☒ DEVEL WELL ☐ RE-ENTRY ☐ OTHER
	☒ 1ST TRIP ☐ SUBSEQUENT TRIP ☐ NO TRIP ☐ DAYLIGHT OPERATION
MKT CODE	841
DRILLED FOR	☒ OIL ☐ GAS ☐ OTHER
	☒ LAND ☐ OFFSHORE ☐ BARGE ☐ MOTOR VESSEL ☐ LIFTBOAT
SCHL WIRELINE DEPTH	8982
SCHL CASING	
DRILLER CASING	3080

ENTERED

	Date	Time	Desc No	Time Code	Elapsed Time	Desc No.	OP Code	Equip Code	Reference Code	Item	Quantity	Unit Price	Amount	UNIT - FINANCIAL USE ONLY
Cust Time	10/4	0930		22				SET/L	-061	Srv Chrg	8982	670 .20	2436.40	
Lt HQ		0730							3010	Depth Chrg	8979	.40	3591.60	
Arr Dock								SETD	3011	D	8979	.11	987.69	
Left Dock										Oper Chrg	8979	.40	3591.60	
Arr Well		0830		02	1					O	8979	.11	987.69	
Rig Up-S		1430		11	6			~~DISC~~	~~-502~~		< >		<11594.98>	
Rig Up-F		1530		05	1.			DISC.	-502		<40%>		<4637.99>	
Beg Oper		1530				First Primary Log			☒ Yes ☐ No			Est. Charge	6956.99	
Comp Oper		1630		10	1.	☒ OH		☐ CH	State Tax	400.04		After Tax Charge		
Beg Oper		1630	1	13	5.5	2		LDTD	3430	Depth Chrg	8979	.52	4669.08	
Comp Oper		2200												
Beg Oper		2200	2	13	5.5					Oper Chrg	5909	.52	3072.68	
Comp Oper	10-5	0330											7741.76	
Beg Oper								DISC	-502		<40%>		<3096.70>	
Comp Oper													4645.06	
Beg Oper												Est Charge		
Comp Oper						☒ OH		☐ CH	State Tax	267.09		After Tax Charge		
Beg Oper						1		DLTE	0930	Depth Chrg	8981	.39	3502.59	
Comp Oper														
Beg Oper										Oper Chrg	5911	.39	2305.29	
Comp Oper													5807.88	
Beg Oper								DISC	-502		<40%>		<2323.15>	
Comp Oper													3484.73	
Rig DN - FI		0400		96	.5							Est Charge		
Left Site		0430		H	.5	☒ OH		☐ CH	State Tax	200.37		After Tax Charge		
Ret Dock						1		MSFL	1210	D	8981	.35	3143.35	
Ret HQ		0530		02	1					O	5911	.35	2068.85	
Time Chgs	Crew	Reg Eq	Spec Eq	Tot Trip Time	22								5212.20	
Total Hrs	22			Eq Time	Time	Date		DISC	-502		<40%>		<2084.88>	

MAX DEV	—
WELL HEAD PRESS	— PSI

Serv	First Reading	Last Reading	Footage Delivered
CAL	8962	150	
CNL	8979	3070	
DLT	8967	3070	
MSFL	8981	3070	

TOTAL EST CHG
W/O TAX
$18,714.10

RFT/FT Summary	FT	Press	Fluid Sample
	Thank You		
Tests Attempted			
Tests Successful			
Tests Sold			
Dry Test			
Seal Failures			

ST Summary 1

Attempted	
Recovered	
Sold	
Empty	
Lost	
Misfire	

17
1990
19

THIRD PARTY INVOICE NUMBER

ANCIAL

CONTINUATION

Schlumberger

PAGE 2 OF 2

DATE	SERVICE ORDER NO
4 Oct 1991	6 0 3 1 1 5

PRINT

a Fe Energy Operating Partners L.P.

Time	Desc No	Time Code	Elapsed Time	Desc No	OP Code	Equip Code	Reference Code	Item	Quantity	Unit Price	Amount	UNIT - FINANCIAL USE ONLY	Serv	First Reading	Last Reading	Footage Delivered
						J.P.	9930	Depth Chrg	4	$125	500.00					
								Oper Chrg								
										Est Charge						

☐ OH ☐ CH State Tax 28.75 After Tax Charge

Desc No	Interval Perforated	Sho Per

Beg Oper

Comp Oper

Depth Chrg

Oper Chrg

Est Charge

☐ OH ☐ CH State Tax After Tax Charge

Depth Chrg

Oper Chrg

Est Charge

☐ OH ☐ CH State Tax After Tax Charge

Depth Chrg

Oper Chrg

Est Charge

☐ OH ☐ CH State Tax After Tax Charge

Desc No	No. Guns	Shots Fired	Type Charge	Size	Trv Tub

Depth Chrg

Oper Chrg

Est Charge

☐ OH ☐ CH State Tax After Tax Charge

Depth Chrg

Oper Chrg

Est Charge

☐ OH ☐ CH State Tax After Tax Charge

Depth Chrg

Oper Chrg

Beg Oh-Fl

Left Site

Ret Dock

Est Charge