

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Designation and Serial No. ST-078604
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201 (303) 830-6157		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 990' FSL 790' FWL Sec. 29 T 32N R 10W Unit M		8. Well Name and No. Scott LS #3
		9. API Well No. 3004511215
		10. Field and Pool, or Exploratory Area Blanco Mesaverde
		11. County or Parish, State San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent ☐ Subsequent Report ☐ Final Abandonment Notice	☐ Abandonment ☐ Recompletion ☐ Plugging Back ☐ Casing Repair ☐ Altering Casing ☒ Other <u>High Angle Fracture Interception</u> ☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off ☐ Conversion to Injection ☐ Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company recently permitted this well as a directional drill and has revised its procedures per the attached. This is a split estate, the minerals are owned by the state and the surface is federal.

If you have any technical questions please contact Brad Bilyeu at (303) 830-4832 or Gail Jefferson for any administrative concerns.

RECEIVED
DEC - 1 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Gail M. Jefferson Title Sr. Admin. Staff Asst. Date 11/6/95

(This space for Federal or State office use)

Approved by [Signature] Title DISTRICT MANAGER Date NOV 28 1995

Conditions of approval, if any:

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Branco Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004511215		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 001038		5 Property Name Scott LS			6 Well Number #3
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	32N	10W		990	South	790	West	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	32N	10W		1209	South	1594	West	San Juan

12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 RECEIVED DEC - 1 1995 OIL CON. DIV. DIST. 3				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Gail M. Jefferson Signature Gail M. Jefferson Printed Name Sr. Admin. Staff Asst. Title 11/13/95 Date
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. March 12, 1954 Date of Survey Signature and Seal of Professional Surveyer: On File Certificate Number
Diagram showing well location and distances:				

November 01, 1995 (revised)

Scott LS #3
High Angle Fracture Interception
San Juan County, New Mexico

DRILLING PROCEDURES

1. Move in and rig up Aztec Well Service Rig #124 complete with two double-gate ram preventers, dual 6 inch blooie lines, air package and associated safety equipment.
2. Nipple down tree, install casing spool to allow hanging a full string of 4.500" casing and nipple up blowout prevention equipment. Test to 250 and 2,000 psi.
3. Pull and lay down the 2.375" tubing. Pick up cement retainer on 2.875" X 3.500" tapered drill pipe string and set at 3,500'. Mix and pump 200 sx of 50:50 Pozmix containing 1/2 lb per sack of flocele and 10 lb per sack of gilsonite. POH and pick up a 7.000" RTTS packer. Test the 7.000" casing to 500 psi and if a leak is found, isolate and squeeze with 100 sacks of the same cement. If no leak is found, spear the 5.500" liner and cut at 3,450'. Lay down the casing and spot a 100 sx plug of 17.5 ppg, 1.114 feet cubed/sack, 4.35 gal/sack Micro-Max plug cement on top of the casing stub. Use the Amoco approved diverter method. While WOC, pick up the non-magnetic and standard 4.750" drill collars and 25 joints of 3.500" weight pipe.
4. Dress off top of plug to 3,300-3,400' using a 6.125" Smith F-57 DDP bit, trip out and run a gyro survey. Pick up a 4.750" A/D motor with bent housing, a Geo Service MWD and kick off plug with a 20 degree azimuth
5. At 3,400', build angle to approximately 25 degrees on the 20-30 degree azimuth at +/- 4.0 degrees/100'. Begin turning to a 110 degree azimuth at a TMD of 4,100' at approximately 10 degrees/100' while continuing to build angle at about 5 degrees/100'. (See attached survey program.) At a TVD of 4,650' the bottom hole location should be 344' to the North and 400' to the East of the surface location with a TMD of 4,821'. At this point, determine if the motor and MWD combination is an efficient method of drilling or if a packed hole assembly and straight rotary drilling is better. Continue drilling the 45 degree tangent to the bottom of the Point Lookout sand with no rathole if packers are to used for isolation or with +/- 100' rathole if conventionally cemented. Run logs as required.
7. Lay down the drill string and run 4.500" 11.6#/ft N-80 (or Wildcat 75) LTC casing to total measured depth utilizing CTC International's ECP's (external casing packers) as necessary to prevent cement from contacting an open fracture in the Cliff House or the Point Lookout. Install a hydraulic DV tool above the top ECP and cement back into the 7.000" casing if considered necessary. The cement shall be 50:50 Pozmix containing 2% gel, 0.25 #/sx flocele, 0.4% Halad 344 mixed and pumped at 12.5 ppg.
8. Pick up a 3.750" mill on 2.375" tubing and cleanout to MD. Complete as determined by the CRACK team. If artificial lift is required to unload liquids, consider plunger lift or a "poor-boy" gas lift as initial options.



brad
11/01/95 9:06 AM

14:00 hrs 11/2/95

SCOTT LS #3
SW, SEC. 29, T32N, R10W
API#

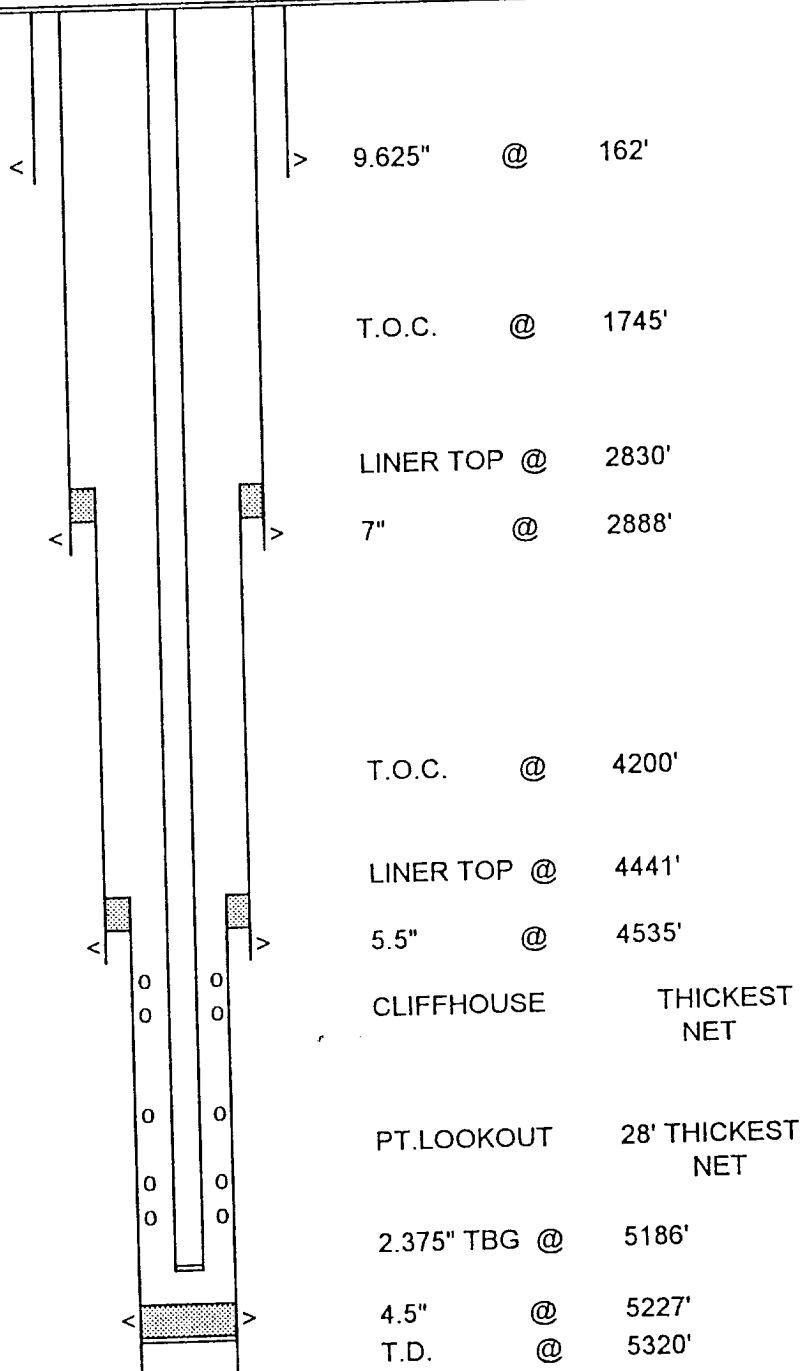
NOTES:
OPEN HOLE FRACED
W/1510 QTS NITRO PRIOR
TO 4.5" CASING
CASING PERFORATED BUT
NOT CEMENTED
FAULT AT 350' TO EAST

SQUEEZED AT 4479'

PERFS
4650' TO 4710'

PERFS
5150' TO 5165'

PERFS
5197' TO 5217'



FINAL-HIGH ANGLE

AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAMFile No.: scotis3
Date: 11/2/95

Lease: Scott LS Well No. 3
County: San Juan, New Mexico Location: SW Section 29, T32N, R11W
Former name: Same Field: Basin Mesaverde 11/2/95 10:13

OBJECTIVE: Explore horizontal Mesaverde		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
METHOD OF DRILLING		Actual GL	Estima	6 U/K-USE CARE 6000
TYPE OF TOOLS	DEPTH OF DRILLING	Marker		
Rotary	0 - TD		Depth (ft.)	SS Elev. (ft.)
LOGGING PROGRAM		Ojo Alamo, base	2,004	3,996
TYPE	DEPTH	Fruitland	2,334	3,666
		Pictured Cliffs	2,704	3,296
as required		Lewis Shale	2,800	3,200
PROBABLE TRIPLE COMBO	NEW HOLE	Cliff House*	4,642	1,358
		Menefee*	4,718	1,282
		Point Lookout* KOP	5,113	887
		Mancos Shale 3400	5,216	784
		TOTAL DEPTH TVD	5,223	777
REMARKS:		MEASURED DEPT 5,565		
		* Possible pay #Probable completion OJO ALAMO IS POSSIBLE USEABLE WATER		
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY DEPTH
None		None	**10'	Geolograph 0 - TD
Remarks:		Remarks: Mud Logging Program: **Full two-man mud logging services/Benchmark Coring Program: None		

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt.	W/L, cc's/30 min.
0—SCP	existing			
SCP—ICP	existing			
ICP—TD	air/foam			

REMARKS:

Cliff House and Point Lookout to be drilled at a high angle in an attempt to intercept fractures.

CASING PROGRAM:

Casing String	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface	171	9.625	CASING SET	
Intermediate	4,550	7	CASING SET	
Production	5,565	4.5	6.125	Set to TMD—Packers to protect fractures Cement as necessary to protect above Cliff House

Remarks:

CRACK Team to design casing and packers to protect fractures with cement placed as necessary to protect casing. If no fractures encountered, casing will be ce

GENERAL REMARKS:

CRACK Team to design completion program.

Form 46 Reviewed by:

PREPARED BY:

StJohn/TerBest/billye

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

For Production Dept.

APPROVED:

For Exploration Dept.

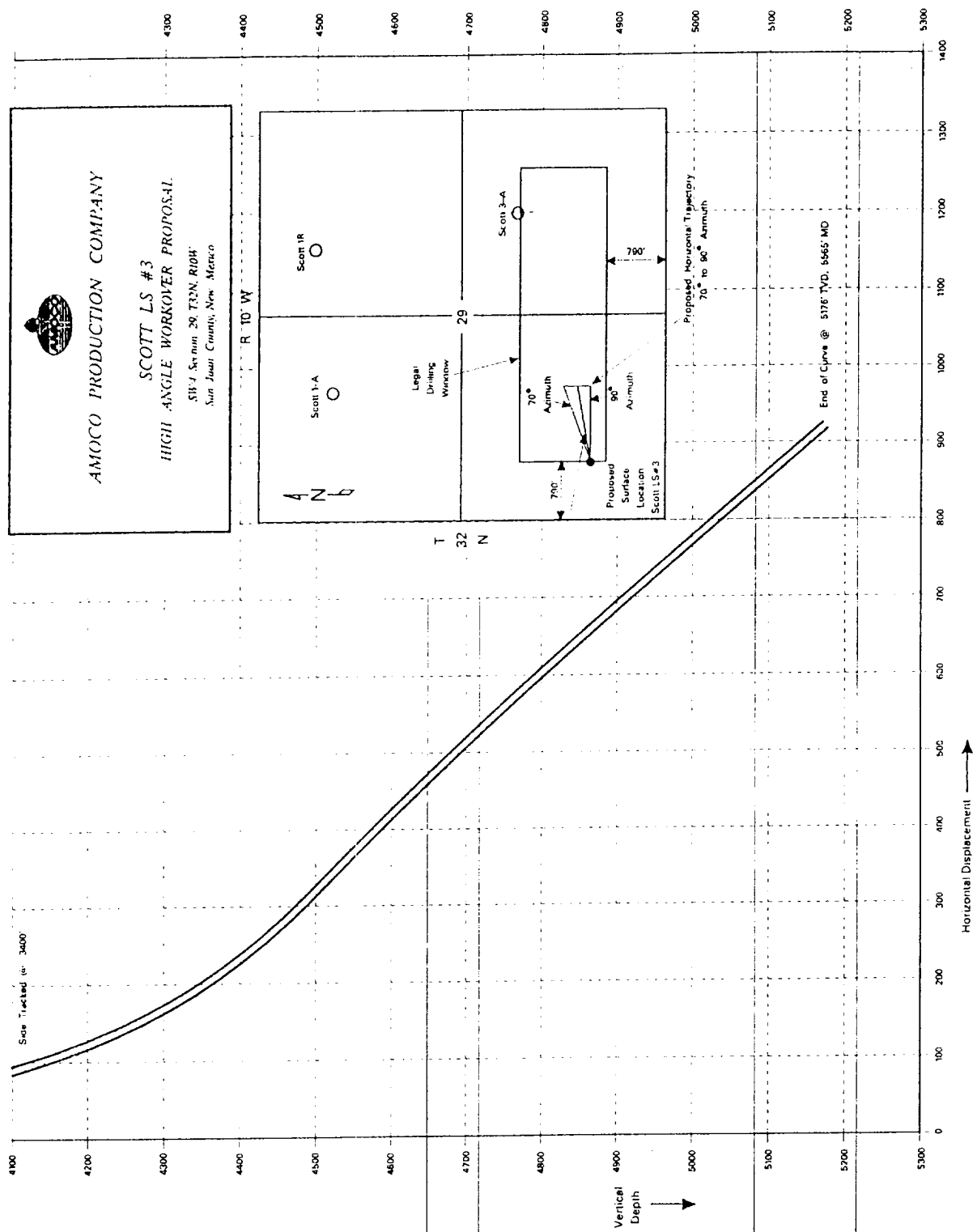


AMOCO PRODUCTION COMPANY

SCOTT LS #3

HIGH ANGLE WORKOVER PROPOSAL

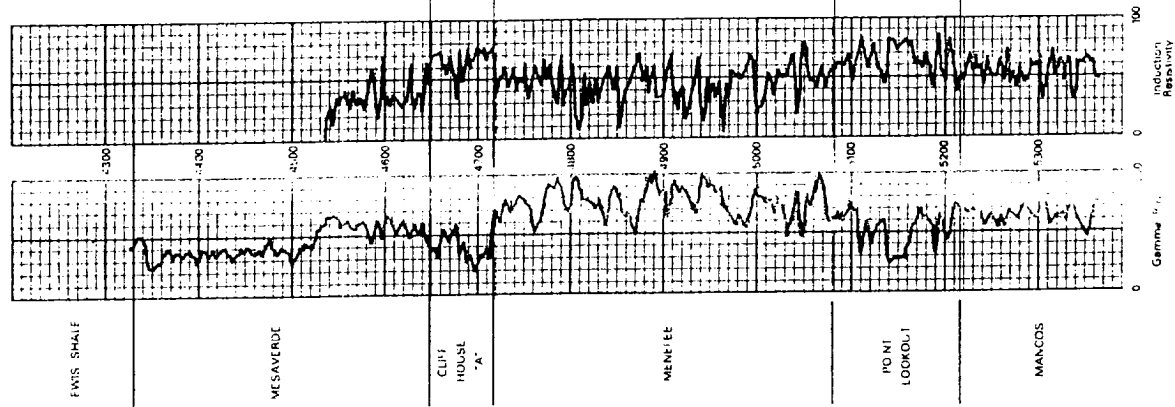
SW 1/4 Section 29, T22N, R10W
San Juan County, New Mexico



SCOTT LS #3

SW 1/4 Section 29, T22N, R10W

San Juan County, New Mexico



Scott L. S
Hi Angle
11/01/95 (13:35hrs)
J

Units are FEET

T I	Meas. Depth	Survey		Depth (TVD)	North -South	East -West	Vert. Section	Closure		Dog Leg
		Incl	Dir					Dist	Dir	
	.00	.00	20.00	.00	.00	.00	.00	0	0	.0
	3400.00	.00	20.00	3400.00	.00	.00	.00	0	0	.0
	3500.00	3.00	20.00	3499.95	2.46	.90	1.37	3	20	3.0
	3600.00	7.00	20.00	3599.55	10.65	3.88	5.93	11	20	4.0
	3700.00	12.00 11.00	20.00	3698.15	26.15	9.52	14.56	28	20	5.0
	3800.00	15.00	20.00	3795.38	48.09	17.50	26.77	51	20	3.0
	3900.00	18.00	20.00	3891.25	74.77	27.21	41.62	80	20	3.0
	4000.00	21.00	20.00	3985.50	106.14	38.63	59.08	113	20	3.0
	4100.00	24.00	20.00	4077.88	142.09	51.72	79.10	151	20	3.0
	4200.00	27.00	30.00	4168.17	180.89	70.04	104.81	194	21	5.2
	4300.00	30.00	40.00	4256.09	219.73	97.48	139.47	240	24	5.6
	4400.00	35.00	50.00	4340.47	257.37	135.57	184.32	291	28	7.3
	4500.00	40.00	60.00	4419.85	291.92	185.45	240.11	346	32	7.9
	4600.00	45.00	70.00	4493.64	320.14	246.62	305.68	404	38	8.4
	4700.00	45.00	80.00	4564.44	338.39	314.74	376.08	462	43	7.1
	4800.00	45.00	90.00	4635.24	344.54	385.01	446.15	517	48	7.1
	4821.00	45.00	92.00	4650.09	344.28	399.85	460.65	528	49	6.7
	4900.00	45.00	100.00	4706.00	338.45	455.32	513.83	567	53	7.2
	5000.00	45.00	110.00	4776.80	320.19	523.44	576.92	614	59	7.1
	5100.00	45.00	110.00	4847.51	296.01	589.89	637.19	660	63	.0
	5200.00	45.00	110.00	4918.22	271.83	656.34	697.45	710	68	.0
	5300.00	45.00	110.00	4988.93	247.64	722.78	757.72	764	71	.0
	5400.00	45.00	110.00	5059.64	223.46	789.23	817.98	820	74	.0
	5500.00	45.00	110.00	5130.35	199.27	855.68	878.24	879	77	.0
	5565.00	45.00	110.00	5176.31	183.55	898.87	917.42	917	78	.0